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

Academic Program Specification Form For The Academic

Universitiy:AL Nahrain
College : Medicine
Department : Medicine
Date Of Form Completion : 27-6-2021

Dean's Name

Date : / /

Signature

Dean's Assistant For Scientific Affairs

Date : / /

Signature

Head of Department

Date : / /

Signature

Quality Assurance And University Performance Manager
Date : / /
Signature

TEMPLATE FOR PROGRAMME SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

PROGRAMME SPECIFICATION

This Programme Specification provides a concise summary of the main features of the programme 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 is supported by a specification for each course that contributes to the programme.

1. Teaching Institution	
2. University Department/Centre	
3. Programme Title	
4. Title of Final Award	
5. Modes of Attendance offered	
6. Accreditation	
7. Other external influences	
8. Date of production/revision of this specification	
9. Aims of the Programme	

10. Learning Outcomes, Teaching, Learning and Assessment Methods
A. Knowledge and Understanding A1. A2. A3. A4. A5. A6.
B. Subject-specific skills B1. B2. B3.
Teaching and Learning Methods
Assessment methods
C. Thinking Skills C1. C2. C3. C4.
Teaching and Learning Methods
Assessment methods

D. General and Transferable Skills (other skills relevant to employability and personal development)
D1.
D2.
D3.
D4.

Teaching and Learning Methods

Assessment Methods

11. Programme Structure				12. Awards and Credits
Level/Year	Course or Module Code	Course or Module Title	Credit rating	
				Bachelor Degree Requires (x) credits

13. Personal Development Planning
14. Admission criteria .
15. Key sources of information about the programme

Curriculum Skills Map																			
please tick in the relevant boxes where individual Programme Learning Outcomes are being assessed																			
				Programme Learning Outcomes															
Year / Level	Course Code	Course Title	Core (C) 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**

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	College of Medicine – Alnahrain University
2. University Department/Centre	Department of Medicine
3. Course title/code	Endocrinology/ MEDEnd-42
4. Programme(s) to which it contributes	M.B.Ch.B.
5. Modes of Attendance offered	Electronic
6. Semester/Year	Fourth year – Second semester
7. Number of hours tuition (total)	30
8. Date of production/revision of this specification	2020
9. Aims of the Course	
Upon completion of this course the **successful 4th** year medical student at College of Medicine – Alnahrain University will be able to: 1- Demonstrate knowledge in the basic sciences related to the Endocrine system 2- Explain the signs and symptoms of common Endocrine presentations in terms of their underlying scientific principles 3- Explain the scientific principles of common Endocrine investigative techniques, and critique their appropriateness and results 4- Explain the scientific principles of common approaches to management of patients with Endocrine diseases.	

5- Interpret the hormonal assessment Essays for common endocrine disorders 6- Communicate and Educate patients about the proper healthy life style required for patients with Diabetes 7- Discuss with diabetic patients the importance of adherence to treatment and regular follow up

10· Learning Outcomes, Teaching ,Learning and Assessment Methode
A- Knowledge and Understanding A1. describe the detailed anatomy and histology of the Endocrine glands A2 – identify the basic and advanced mechanisms of hormones physiology and action and correlate that with clinical manifestations of endocrine diseases A3 – recognize different hormonal essay random and dynamic A4 – describe various pharmacological and non-pharmacological therapeutic options in endocrine disorders A5 – recognize different signs and symptoms of endocrine Glands disorders and other metabolic disease A6 – define various approach in diagnosing different endocrine disease including the newly-described diseases A7 – identify the etiology of various endocrine,metabolic disorders A8-recognize surgical aspects of endocrine disease management
B. Subject-specific skills B1 – describe focused history taking for endocrine disorders B2 – perform physical examinations to diagnose different endocrine diseases B3 – evaluate the clinical manifestations and differential diagnosis of various B4 – interpret various basal and dynamic hormonal investigations B5 – analyze critical and non-critical medical endocrine problems and clinical manifestations B6 – differentiate various radiological abnormalities of endocrine glands through different imaging modalities like ultrasound,CT scan and MRI B7– Analyze different insulin regimens in treating patients with diabetes mellitus B8– determine surgical decisions regarding various endocrine diseases. B9– plan consultation and cooperation management lines as team work with other specialties B10 – implement basic in reaearch study
Teaching and Learning Methods
A combination of traditional lectures, electronic presentations, interactive case discussions, clinical sessions, small group teaching, clinical tours and brain

storming sessions to enhance the education process

Assessment methods

The minimum requirement of a student to pass is to achieve at least 50% of the .total 100 marks assigned for the course
:The marks are distributed as follows
(5%) Daily quizzes , Homework and interactive lecture attendance.
Midterm Exam (25%) as single best answer questions
Final Exam (70%) as – Single Best Answer 60 items
Modified – Essay Questions (4 cases) -

Students who fail to attain the 50% cut-off mark are required to re-sit for a second trial examination similar to the final one. Failing in the second trial entails the student to repeat the academic year.

C. Thinking Skills

C1.Enhance communication aspect with the patient in the course
C2.Respct of the ethical issues in the management
C3.improve students autonomy in clinical analysis and research
C4. Encourage student role in the community to build up science against misbeliefs and traditions

Teaching and Learning Methods

Communication skills between teacher and students
Daily sharing of knowledge ,discussions, comments and analysis
Sharing real life clinical problems to find practical solutions

Assessment methods

Daily evaluation of attendance and participation
Homework of problem based learning
Discussions of real life problems
Literature review on special topic
Writing reports and reviews

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

By the end of the program the candidate should be able to

D1 – to acquire standard ethical behavior

D2 – to exemplify good manners ,decision making attitude

D3 – to communicate effectively with the patients, their families and all health care personnel

D4 – to be able to work in a team

D5 – to reflect ability in case presentation

11. Course Structure					
Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	1	**Introduction to endocrinology: endocrine functions,physiology,pathology,investigations** □ Define Hormones □ Describe the functions of hormones □ Recognize the levels of hormones secretion control □ Recognize hormones that can be assessed against others that need dynamic tests □ Apply a stimulatory test for Hypofunction and a suppression test for hyperfunction	**Introduction to endocrinology:endocrine functions,physiology,pathology,investigations** Endocrine glands secrete hormones which are chemical substances control many metabolic processes. Some hormones can be assessed randomly like TSH, while others need dynamic tests. Hypofunction need stimulation while hyperfunction needs suppression tests.	Lecture with slide demonstration -case discussion during lecture -open question to start discussion	Daily attendence and interaction -quizzes -Midterm exam -Final written exam
1	1	**Hypothalamus pituitary gland; hypopituitarism** Describe the function and anatomy of the pituitary gland · Recognize the presentations of pituitary tumors · List the causes of hypopituitarism · Recognizes the clinical presentation of hypopituitarism · Apply and interpret the tests to asses	· **Hypothalamus&pituitary gland;hypopituitarism** Pituitary gland is the master gland which orchestrates most of endocrine glands.		

		pituitary function Manage patients with hypopituitarism			
2	1	**Acromegaly,hyperprolactinemia** Pituitary tumors that secrete growth hormone cause acromegaly with coarse features, systemic involvement. Although surgery is mandatory in all of cases, medical therapy with octreotide ,pegvisomant may be used as adjuvant treatment . Hyperprolactinemia mostly caused by physiological causes like stress or pregnancy or by drugs, sometimes by pituitary tumor prolactinoma which is usually treated with dopamine agonist like cabergoline which usually cause shrinkage of tumor.	**Acromegaly, hyperprolactinemia**		
2	1	Define Diabetes Insipidus Describe and Interpret water deprivation test · Discriminate Central vs Nephrogenic DI · Discuss treatment of DI with desmopressin	Define Diabetes Insipidus		
3	1	**Pituitary Surgery** Discuss indications of surgical intervention in pituitary tumors	**Pituitary Surgery**		
3	1	Describe the anatomy and physiology of the Adrenal gland List the indications and	**The adrenal gland,physiology ,investigations.**		

		long term side effects of corticosteroids List the advices of patients on long term Corticosteroids. Explain Circadian rhythm control Classify Adrenal cortex disorders. Define Adrenal incidentalomas Evaluate patients with Adrenal incidedentlom			
4	1	Define Cushing Syndrome List the Causes of Cushing Syndrome Recognize the Clinical features of Cushing Apply the proper Screening tests and Diagnostic tests in Cushing syndrome. Differentiate among different causes of Cushing **Primary hyperaldoseronism(Conns syndrome)** List the causes of hyperaldosteronism Recognize the clinical manifestations of hyperaldosteronism Evaluate patients with suspected hyperaldosteronism Describe the treatment options **Pheochromocytoma** List the causes of Phaeochromocytoma Recognize the clinical manifestations of Phaeochromocytoma Evaluate patients with suspected Phaeochromocytoma Describe the treatment options	**Cushing's syndrome**		

4	1	Definition Etiology Clinical features. ACTH stimulation test. Treatment **CAH ,Polyglandular failure**	**Adrenal insufficiency**		
5	1	**Adrenal Surgery.** Discuss Surgical treatment of adrenal tumor, adenoma, and Pheochromocytoma**.**	**Adrenal Surgery.**		
5	1	Midterm Exam			
6	2	**Diabetes mellitus,introduction, pathophysiology,aetiology Classification. Normal glucose metabolism. Clinical features: acute presentation in type 1 DM, insidious course in type 2. Type 1 DM : autoimmune , idiopathic Type 2 DM : insulin resistance, B -cell failure MODY LADA Diagnosis: mainly on FPG, RPG, HBA1c OGTT HBA1c Screening. Risk factors for DM. Metabolic syndrome Gestational DM.**	Introduction to DM		
7	2	DKA,HHS, Retinopathy,nephropathy,neuropathy,diabetic foot infection,diabetic dyslipidemia	**Diabetes mellitus, Acute and chronic complications**		
8	2	Glycemic goals in the management Types of insulin Insulin regimens Insulin pump Side effects of insulin therapy General approach Life style modification Medical nutrition	Management of DM		

		therapy Classes of oral antidiabetic drugs Comparison of antidiabetic therapy Indications of insulin therapy. Bariatric surgery			
9	1	Discuss the role of thyroid gland in the maintaining functions of the body. Classifications of thyroid disease: primary or secondary to pituitary disorders. Hypofunction or hyperfunction. Diagnosis :history, physical examination .investigations Approach to goiter features of malignancy in solitary thyroid nodule investigations of thyroid disorders: thyroid function test, radioactive iodine,FNAc **Nonthyroidal illness.**	**The thyroid gland:physiology,investigations,goiter,thyroid disorders.**		
9	1	Define Thyrotoxicosis. Classify the Etiology of Thyrotoxicosis Recognize the common Clinical features of Thyrotoxicosis Apply Diagnostic approach for Thyrotoxicosis Describe the different treatment options for thyrotoxicosis. Define Subclinical hyperthyroidism. Discuss Thyroid storm. **Evaluate Thyroid nodules**	**Thyrotoxicosis.**		

10	2	Classify the Etiology of Hypothyroidism □ Identify important Clinical features. □ Describe important investigations in hypothyroid patients□ **Discuss the etiology of Thyroiditis** □ **Classify the types of Thyroiditis** □ **Explain amiodarone and thyroid Iodine effect**	**Hypothyroidism** **Thyroiditis**		
11	2	Discuss the indication of thyroidectomy. List Preoperative preparation and complications**Thyroid surgery 2 and Thyroid cancer.** Classify the Types of thyroid cancer	**Thyroid Surgery 1** Discuss the indication		
12	1	Describe the role of Parathyroid hormone in calcium metabolism □ List the causes of Hypercalcemia □ Define Primary hyperparathyroidism: mainly caused by parathyroid adenoma. □ Recognize the Clinical features of Hypercalcemia**.** □ Define FHH □ Treatment of severe hypercalcemia. **Hypocalcemia** □ List the Causes of hypocalcemia □ Discuss Treatment of tetany.	**The parathyroid gland,hypercalcaemia,hypocalcaemia**		
12	1	List the Inductions of surgery in primary hyperparathyroidism. Discuss post-operative complications	**Parathyroid Surgery**		
13	1	**Delayed and precocious puberty,Gynaecomas**	**Reproductive Endocrinology**		

		tia,hirsuitism, Definition Causes Investigations Treatment			
13	1	Classify infertility into primary and secondary Discuss Hormonal causes of male infertility Interpret the hormonal Assay for patients with male infertility	**Male hypogonadism**		
14	1	Introduction Classification Secondary dyslipidemia Clinical signs Investigations Assessment cardiovascular risk. General managementDrug therapy	**Dyslipidemia**		
14	1	TypesnAssessment BMI Waist circumference Risk factors complications General treatment Drug therapy Bariatric surgery	**Obesity**		
15	1	Define osteomalacia Discriminate osteomalacia from osteoporosis Recognize the clinical manifestations of vitamin D deficiency among different age groups Choose the appropriate set of tests to investigate osteomalacia Discuss treatment Schedule for Vitamin D Deficiency	**Metabolic Bone disease, vitamin D defeciency**		
12. Infrastructure					

Required reading: · CORE TEXTS · COURSE MATERIALS · OTHER	1.Davidson's Principles and Practice of Medicine .2 Bailey and Love's textbook of surgery .3 Harrison's Principles of Internal Medicine 4. Greenspan's Basic & Clinical Endocrinology
Special requirements (include for example workshops, periodicals, IT software, websites)	Medscape ADA on line Endocrine Society AACE
Community-based facilities (include for example, guest Lectures , internship , field studies)	

13. Admissions	
Pre-requisites	Passing the third year successfully
Minimum number of students	25
Maximum number of students	60

Clinical Neurology Course 2020-2021

Aim of the course

Upon completion of this course the 5th year medical student at College of Medicine – Alnahrain University will be able to:

1- Demonstrate knowledge in the basic sciences pertinent to the central and peripheral nervous system
2- Explain the signs and symptoms of common neurological presentations in terms of their underlying scientific principles
3- Explain the scientific principles of common neurological investigative techniques, and critique their appropriateness and results
4- Explain the scientific principles of common approaches to management of patients with neurological diseases.

Detailed Curriculum

Week	Date	Lecturer	Content area	Objectives
1st week Day one	Sunday	Professor Dr.Hassan Al-hamadani	Motor system examination	Identify clinical steps of motor system examination
Day two	Tuesday	=	Localization approach	Apply knowledge for upper & lower motor neuron lesions localization
Day three	Wednesday	Assistant Professor Dr.Abdulkareem AL-Khazraji	Signs of incoordination Meningeal irritation signs	List clinical features of incoordination Demonstrate practically maneuvers of elicitation these signs
Day four	Thursday	=	Cranial nerves examination	Recognize features of multiple or single cranial nerve palsy
2nd week	Day one	Dr.Hassan	Speech examination	Explain clinical types of speech defect e.g.,aphasia @ dysarthria
	Day two	=	Sensory system examination	Differentiate between peripheral & central integrative sensory deficits
	Day three	Dr.Abdulkareem	Abnormal gait demonstration	Appraise different types of abnormal gait
	Day four	MID course exam		
3rd week	Day one	Dr.Hassan	Primitive reflexes examination	Define frontal release signs
	Day two	=	Cognitive functions examination	Describe features of higher intellectual dysfunction
	Day three	Dr.Abdulkareem	Reviewing skills & professional maneuvers of clinical practice	
	Day four	Final course exam		

Dermatology Clinical Course 2020 – 2021

Aim of the course:

Upon completion of this course for the fifth year medical students at Al-Nahrain College of Medicine, they will have:

Knowledge for practice:

1. **Collect data from history & clinical examination.**
2. **Classify skin lesions into primary & secondary lesions which assist in clinical diagnosis.**
3. **Identify the clinical features of common skin disorders.**
4. **Define the emergency situations in dermatology.**
5. **Explain how to interpret the abnormalities in investigations.**
6. **Describe the plan of treatment for each skin disease.**

Clinical Skills/Patient Care:

1. **Complete patient's history & physical exam in a respectful, logical, organized & thorough manner.**
2. **Evaluate & prioritize skin problems with which a patient presents.**
3. **Formulate a differential diagnosis based on the findings from the history & physical examination to help guide the needed diagnostic tests ordering & sequencing.**
4. **Formulate an initial therapeutic plan & explain the extent to which the therapeutic plan is based scientific evidence of effectiveness.**

Practice Learning & Improvement:

1. **Recognize when additional information is needed to care for the patient & Demonstrate ongoing commitment to self-directed learning.**
2. **Demonstrate ability to answer clinical questions using evidence-based medicine.**
3. **Analyze gaps in the knowledge & the skills.**
4. **Approach to reach the specific diagnosis (taking history & making clinical examination).**
5. **Define the useful investigations for each disease if needed.**
6. **Describe the outpatient treatments.**

Based Practice:

1. Differentiate the role & the contribution of each member to the care of the patient.
2. Apply health based thinking to address an outcomes in patient care.
3. Consider patient, physician & system barriers (including cost) to Successfully describe treatment plans & patient adherence & understand strategies that may be used to overcome these barriers.

Interpersonal & Communication Skills:

1. Demonstrate appropriate listening & verbal skills to communicate empathy, elicit information regarding the patient's preferences & provide basic information & an explanation of the diagnosis, prognosis & treatment plan.
2. Perform as an effective member of the patient care team, incorporating skills in inter-professional communication & collaboration including giving & receiving feedback.
3. Document & orally present new patient & follow up patient cases (if needed) in a thorough & focused manner.

Professionalism:

1. Demonstrate a commitment to caring for all patients regardless of their dermatological diagnoses or other associated factors.
2. Exhibit respect toward all members of the health care team, as manifested by reliability, responsibility, honesty, helpfulness, selflessness & initiative in working.
3. Demonstrate a positive attitude towards learning by showing intellectual curiosity, initiative, honesty, integrity & dedication.

Teaching & Learning Methods:

A. History.
B. Clinical exam.
C. Slides show.
D. Educating students how to use laboratory tests & instruments to reach the diagnosis.

Assessment methods:

Daily assessing through questioning & clinical cases approach as well as mid-course exam. & final course exam. (Recall information questions & analytic clinical question with slides show).

Detailed Curriculum

Week	Hours	Tutor	Contents	Objectives
1	15	- Dr. Nadheer Ahmed	-Taking proper history& detailed clinical examination	-Demonstrating knowledge in history taking &recognition of physical signs.
			-Eczema	-Define eczema, identify & recognize the clinical features as well as the management of its common types.
		- Dr. Iqbal Ghalib	-Psoriasis	-Define & classify psoriasis, and identify the related clinical provoking & exacerbating factors of it. -Clarify clinical presentations, variants & management of psoriasis.
		- Dr. Hasan Nasir	-Acne& related diseases	-Define acne as well as rosacea& identify their clinical provoking factors, clarify & describe the presentations, complications & management of both problems.
		- Dr. Kholood Abbas	-Urticaria	-Define urticaria& other related conditions, classify urticaria & describe its related provoking factors. -Describe the clinical features, investigations, differential diagnoses & full management of urticaria & other related conditions.
2	15	- Dr. Nadheer Ahmed	-Viral skin disorders	- Identify the clinical types & the main triggering factors for viral skin diseases & list the commonest viral diseases of the skin. - Clarify the different clinical presentations & management of the commonest types of viral skin problems.
			-Bacterial skin disorders	- Identify the clinical types & the triggering factors for bacterial skin diseases. - Describe the common bacterial diseases of the skin as well as the clinical presentations & the management of the commonest types of bacterial skin disorders.
		- Dr. Iqbal Ghalib	-Parasitic skin disorders	-Identify the clinical types of cutaneous leishmaniasis, pediculosis & scabies. - Approach to patients with common parasitic infestations of the skin. - Describe the indication for treatment &

				dication for topical & systemic modalities.
		- Dr. Hasan Nasir	-Fungal skin disorders	- Identify the different superficial fungi that affects the skin & identify the clinical types & presentations of dermatophytosis, pityrosporum infections& candidiasis. - Clarify types of antifungal & indications for each one of them.
		- Dr. Kholood Abbas	-Sexually transmitted diseases (STD)	-Define sexually transmitted diseases STD. - Identify risk factors & complications of STD. - Describe the common presentations of STD. -Recognize the clinical features & management of common STD. - Evaluate the diagnostic methods used for syphilis & their explanation. - Recognize treatment, follow up, prevention & control of syphilis.
3	15	- Dr. Nadheer Ahmed	-Lichen planus & Erythema multiforme	- Define & classify lichen planus & erythema multiforme. - Clarify clinical presentations, clinical variants & management of both conditions.
		- Dr. Iqbal Ghalib	-Pigmentary skin diseases	-Identify disorders of hypopigmentation& hyperpigmentation. - Clarify the clinical presentations, clinical variants & management of common conditions.
		- Dr. Hasan Nasir	-Hair & nail problems	- Describe the clinical features & management of common hair & nail disorders.
		- Dr. Kholood Abbas	-Other different skin problems	- Describe the clinical features & management of other important skin disorders.

Notes:

- Every group was divided into two teams.
- There is daily slide show related to the given subject.

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

Academic Program Specification Form For The Academic

Universitiy: Alnahrain
College : Medicine
Department : Medicine / Behavioral Sciences Theory
Date Of Form Completion : 27/06/2021

Dean's Name

Date : / /

Signature

Dean's Assistant For Scientific Affairs

Date : / /

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Head of Department

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Quality Assurance And University Performance Manager
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TEMPLATE FOR PROGRAMME SPECIFICATION

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9. Aims of the Programme	

10. Learning Outcomes, Teaching, Learning and Assessment Methods
A. Knowledge and Understanding:
B. Subject-specific skills
Teaching and Learning Methods
Assessment methods
C. Thinking Skills
Teaching and Learning Methods
Assessment methods
Daily assessments, multiple choice questions, single best answers and essay questions

D. General and Transferable Skills (other skills relevant to employability and personal development)
Teaching and Learning Methods
Assessment Methods

11. Programme Structure				12. Awards and Credits
Level/Year	Course or Module Code	Course or Module Title	Credit rating	

13. Personal Development Planning
14. Admission criteria .
All fourth year student who have passed the third year
15. Key sources of information about the programme

Curriculum Skills Map																			
please tick in the relevant boxes where individual Programme Learning Outcomes are being assessed																			
				Programme Learning Outcomes															
Year / Level	Course Code	Course Title	Core (C) 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**

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	College of Medicine – Alnahrain University
2. University Department/Centre	Department of Medicine
3. Course title/code	Behavioral Sciences Theory
4. Programme(s) to which it contributes	M.B.Ch.B.
5. Modes of Attendance offered	Electronic
6. Semester/Year	Fourth year – First semester
7. Number of hours tuition (total)	15
8. Date of production/revision of this specification	2020
9. Aims of the Course	
Upon completion of this course the 4th year medical student at College of Medicine – Alnahrain University will be able to: **1. Explain biological , psychological , social factors that determine human behavior** **2. Describe theories of mind and psychological development according to analytic cognitive ,learning and humanistic theories of mind**	

3. **Explain higher mental functions such as perception, consciousness , memory, le , thinking and emotions**
4. **Describe individual variation in terms of personality and intelligence**
5. **Define Stress , explain coping ,and reaction to illness, dying and loss**
6. **Describe behavioral aspects of doctor patient relationship**
7. **gain the theoretical skills of thinking about and using the above mentioned knowledge in doctor patient relationship**
8. **recognize key ethical and professional standards needed in doctor patient relat light of psychological theories about development , mental functioning , intellig and personality**

10· Learning Outcomes, Teaching ,Learning and Assessment Method
A- Knowledge and Understanding A1 – Evaluate the significance of behavioral sciences within all other medical specialties A2 – Define behavioral sciences A3 – Recognize determinants of behavior A4 – Explain theory of motivation A5 – Explain psychological development theories A6- Define stress ,defense and coping A7 – Describe higher mental functions A8 – Recognize individual variations of personality and intelligence A9- Expect behavioral reaction to illness A10- evaluate importance communication skills and breaking bad news A11- apply behavioral principles to doctor patient relationship
B. Subject-specific skills B1 – Expect scope of behavioral sciences B2 – Evaluate significance of behavioral sciences B3 – compare different psychological development theories B4 – apply concepts of mental functions to clinical work B5 – apply individual variations to doctor patient relationship B6 – demonstrate capacities for communication skills

Teaching and Learning Methods

A combination of traditional lectures, interactive discussions and brain storming sessions to enhance the education process

Assessment methods

The minimum requirement of a student to pass is to achieve at least 50% of the total 100 marks assigned for the course.
The marks are distributed as follows:
Midterm Exam (30%) as single best answer questions
Final Exam (70%) as – Single Best Answer 25 items
- True / false phrases 25 items
- Short answer questions 7 questions 5 optionally needed

Students who fail to attain the 50% cut-off mark are required to re-sit for a second trial examination similar to the final one. Failing in the second trial entails the student to repeat the academic year.

C. Thinking Skills
C1 – expect role of behavioral sciences in medicine
C2 – evaluate role of motivation theory
C3 – expect stages of psychological development
C4- judge significance of mental functions in clinical practice
C5- expect behavior of patient while ill
C6- acquire proper communication skills

Teaching and Learning Methods

A combination of traditional lectures, interactive discussions and brain storming sessions to enhance the education process

Assessment methods

The minimum requirement of a student to pass is to achieve at least 50% of the total 100 marks assigned for the course.
The marks are distributed as follows:
Midterm Exam (30%) as single best answer questions
Final Exam (70%) as – Single Best Answer 25 items
- True / false phrases 25
- Short answer questions 5 out of 7 optional

Students who fail to attain the 50% cut-off mark are required to re-sit for a second trial examination similar to the final one. Failing in the second trial entails the student to repeat the academic year.

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

By the end of the program the candidate should be able to
D1 – to acquire standard ethical behavior
D2 – to exemplify proper communication skills
D3 – to communicate effectively with the patients, their families and all health care personnel
D4 – to be able to work in a team

11. Course Structure					
Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	1	Define behavioral sciences , 1- Recognize significance of behavior sciences for doctor , 2- Recognize fields involved, Describe determinants of behavior	Introduction	Lecture	Written exam
2	1	1- Describe Genetic , Anatomic , biochemical determinants of behavior 2- Describe of limbic structures ,neurotransmitters and their role in behavior, 3- Classify main genetic studies ,types of inheritance and Define basic genetic concepts like imprinting ,gene expression, gene anticipation	Biological Determinants of behavior	Lecture	Written exam
3	1	1- Define motivation and instincts ,motive ,drive and desire. 2- Describe ethology and instinct. innate releasing mechanisms. behavior of animal in conflict situation, 3- recognize relationship between instincts man and culture. 4- Explain emotions in relation to motivation and psychoanalytic theory of neurosis	Motivation	Lecture	Written exam
4	1	1- Describe Psychological development as determinant of behavior 2- Describe Psychoanalytic	Psychological development I	Lecture	Written exam

		theory of mind. Historical brief, 3- Recognize topography of mind (conscious mind, unconscious mind and subconscious) 4- Recognize structure of personality(ID,EGO AND SUPEREGO), 5- Describe stages of development according to psychoanalytic theory			
5	1	**1- Define mental defense mechanisms** **2- Explain mental defense as stress coping technique and personality development frame ,** **3- Describe psychotherapy , free association and hypnosis ,** **Recognize revisions of dynamic theory**	**Defense mechanisms and Stress**	Lecture	Written exam
6	1	1- Describe : learning theory of development of mind. 2- Define Classical and operant conditioning and social conditioning. 3- Explain role of deconditioning in behavior therapy	Psychological development II	Lecture	Written exam
7	1	1- Describe cognitive theory of		Lecture	Written exam

		development of mind, 2- Explain cognitive stages, concrete and abstract thinking , important cognitive concepts like object permanence ,object conservation and play activity of childhood . Recognize cognitive schemas as frame for personality	Psychological development III Psychological development III		
8	1	1- Describe Erickson psychosocial stages of development . 2- Recognize humanistic approach to development namely Maslow and Carl Rogers theories Explain moral development	Psychological development IV	Lecture	Written exam
9	1	1- Define perception 2- Explain perception through the deferent senses, how mechanical or electromagnetic or chemical energy for example translated to neurologically based percepts. 3- Describe factors affecting perception Recognize abnormal perception	Higher mental functions I	Lecture	Written exam
10	1	1- Define and describe physiological consciousness 2- Classify memory Describe memory types and mechanisms	Higher mental functions II Physiological consciousness and memory	Lecture	Written exam
11	1	1- Define characteristic of thinking: symbols ,concepts ,abstract thinking and problem solving 2- Define learning 3- Define Intelligence: 4- Describe intelligence quotient IQ, measurement of intelligence, intelligence scales , 5- Describe mental retardation and learning disability	Higher mental functions III thinking learning and intelligence		

12	1	1- Define personality , 2- Describe clinical vs. dimensional approach to personality, 3- Recognize measures of personality , personality inventories	Personality	Lecture	Written exam
13	1	1- Recognize small and large group effects on behavior **2- Define key social behavioral concepts like sick role and illness behavior**	Social determinants of behavior,	Lecture	Written exam
14	1	**1- Describe reaction to illness and behavioral changes upon disease** **Explain behaviors during illness**	**Behavior while ill ..**	Lecture	Written exam
15	1	1- Apply behavioral sciences concepts on doctor patient relationship, 2- Recognize models of doctor patient interaction 3- Explain behavior of the difficult patient, 4- Recognize transference and counter transference 5- Recognize role of personality of patient in doctor patient relationship	Doctor patient relationship.	Lecture	Written exam
		1-			
		1-			

15					

12. Infrastructure	
Required reading: · CORE TEXTS · COURSE MATERIALS · OTHER	1- Kaplan Part I USMLE Series Behavioral Sciences 2-Hilgards introduction to psychology
Special requirements (include for example workshops, periodicals, IT software, websites)	None
Community-based facilities (include for example, guest Lectures , internship , field studies)	

13. Admissions	
Pre-requisites	Passing the third year successfully
Minimum number of students	25
Maximum number of students	50

Dermatology Theory Course 2020 - 2021

Fifth Class
First semester

Lecturer	Title
Dr. Nadheer Ahmed Matloob	Professor
Dr. Iqbal Ghalib Farhood	Assistant Professor
Dr. Hasan Nasir Muhsin	Assistant Professor
Dr. Kholood Abbas Ali	Lecturer

Course Co-coordinator: Dr. Iqbal Ghalib Farhood

Textbook: Fitzpatrick's Color Atlas and Synopsis of Clinical Dermatology

Aim of the course:

Upon completion of this course, the 5th year medical student at Al-Nahrain College of Medicine will be able to:

1. Recognize the importance of dermatology& venereology to other medical specialties.
2. Review pathological, clinical & therapeutic aspects of different skin diseases.
3. Identify the manifestations & the clinical presentations of dermatological & venereological disorders.
4. Define the causes & the provoking factors of these skin disorders.
5. Evaluate the importance of different investigations in defining these disorders if needed.
6. Make an overview about management plan of any of these disorders.

Detailed Curriculum

No.	Date	Lecture title & details	Lecture objectives	Lecturer
1	6/12/2020	Anatomy and Physiology of the Skin: - Physiology (function) of the skin & anatomy of the three layers of the skin. - Epidermis, cornified layer (stratum corneum),granular layer (stratum granulosum),spinous layer (stratum spinosum),basal layer (stratum basale),cells of epidermis and basement membrane. - Dermis, the function of dermis. Skin Appendages: - Eccrine& apocrine sweat glands.	- Describe the basic structures & the functions of the skin. - List the functions of the skin - Identify the major structures found in the three layers of the skin. - Describe the anatomy and the physiology of hair and nails.	Dr. Iqbal Ghalib

		- Sebaceous glands. - Hair Follicles. - Nails.		
2	8/12/2020	<u>Diagnosis of skin disorders:</u> - History & Examination. – Morphology. – Distribution. - Clinical signs. - Special tools & techniques. - Diagnostic tests.	- Improve learning ability to enhance proper history taking. - Identify primary and secondary skin lesions. - Identify special tools & techniques and their applications in relation to certain skin diseases.	Dr. Iqbal Ghalib
3	13/12/2020	<u>Eczema and Dermatitis 1:</u> - Introduction & definition of eczema. - Classification. - Clinical stages& histopathology. - Management. - Contact dermatitis: Introduction, pathogenesis, histopathology, clinical pictures, diagnosis & treatment. - Infective & infected dermatitis. - Seborrheic dermatitis: Pathogenesis, histopathology, clinical pictures, diagnosis, differential diagnosis & treatment. - Asteatotic eczema.	- Define eczema - List stages, types and clinical presentations of eczema - Determine etiological factors and clinical features of exogenous dermatitis. - Management plan for exogenous dermatitis.	Dr. Kholood Abbas
4	15/12/2020	<u>Eczema and Dermatitis 2:</u> - Atopic dermatitis: Etiology & pathogenesis, histopathology, clinical types and pictures, complications, diagnosis & treatment. - Discoid eczema. - Lichen simplex chronicus. - Pompholyx. - Gravitational eczema: Pathogenesis, clinical pictures & Treatment.	- Identify the endogenous types of dermatitis. - Define atopic dermatitis. - Clarify the pathogenesis of atopic dermatitis. - Identify the clinical features and complications of atopic dermatitis.	Dr. Kholood Abbas
5	20/12/2020	<u>Sexually transmitted diseases (STD):</u> - Risk factors. - Presentations. - Urethritis & cervicitis. - Gonorrhea: Clinical features, extra-genital infection & complications. - Non – gonococcal urethritis (NGU). - Genital ulcers.	- Define sexually transmitted diseases STD. - Identify risk factors and complications of STD. - Name the microorganism causing STD. - Describe the common presentations of STD. - Recognize the clinical features & management of common STD.	Dr. Hasan Nasir
6	22/12/2020	<u>Syphilis:</u> - Mode of transmission, stages, pathogenesis & clinical features. - Primary syphilis (chancre). - Secondary syphilis. - Latent syphilis.	- Classify the stages of syphilis. - Describe the 1ry syphilis (chancre). - Explain the mucocutaneous manifestations of secondary syphilis.	Dr. Hasan Nasir

		- Tertiary syphilis. - Congenital syphilis. * Diagnosis. * Differential diagnosis. * Treatment. * Follow up. * Prevention& Control.	- Evaluate the diagnostic methods used for syphilis & their explanation. - List the stigmata of congenital Syphilis. - Recognize treatment, follow up, prevention& control of syphilis.	
7	27/12/2020	Parasitic diseases of the skin: I. Protozoal diseases: - Leishmaniasis (C.L): Epidemiology, pathogenesis, histopathology& clinical features. Clinical types: Wet (rural) type Dry (urban) type: Leishmania recidivans:(chronic lupoid Leishmania) Diffuse cutaneous leishmaniasis: (disseminated cutaneous leishmaniasis) Diagnosis. Treatment. II. Arthropod infection: A. Pediculosis capitis (Head louse). B. Pediculosis corporis (Body louse). C. Phthirus pubis (Pubic louse). Epidemiology, clinical presentations, diagnosis and treatment III. Mite infection(scabies): Epidemiology, clinical presentation, diagnosis and treatment.	- Identify clinical types of cutaneous leishmaniasis. - Approach to patient with C.L. - Understand the indication for treatment & indication for topical & systemic modalities. - Identify the clinical type of Pediculosis. - Identify the specific lesions in scabies & approach to patients. - Learn Instructions for proper application of treatments to the patients and family contacts.	Dr. Iqbal Ghalib
8	29/12/2020	Viral skin diseases: - Introduction. - Triggering factors. *Herpes virus: - Herpes simplex: orolabial, genital and others types. - Chicken pox & shingles. *Human papilloma virus: Warts. *Pox virus: Molluscum contagiosum, Orf & milker's nodules. *Pityriasis rosea: Clinical pictures, differential diagnosis & treatment.	- Define virus. - Name the viruses that cause common skin diseases. - Describe the common presentations & the clinical features of these common viral diseases. - Recognize the management of these diseases.	Dr. Nadheer Ahmed
9	3/1/2021	Superficial fungal skin infection: Dermatophytosis: (tinea or ringworm infection): Clinical types. Dermatophytid (Id reaction). Diagnosis. Treatment.	- Identify the superficial fungi that affect the skin. - Identify clinical types of Dermatophytosis. - Clarify types of antifungal and indications for each one. - Identify Pityrosporum infections.	Dr. Iqbal Ghalib

		Pityriasis versicolor: **Etiology.** **Clinical features.** **Diagnosis** **Treatment.** **Candidiasis (Moniliasis):** **Risk factors.** **Laboratory diagnosis.** **Clinical types.** **Treatment.**	**- Identify various types of candidiasis.** **- Clarify risk factors for candidal infection.** **- Clarify types of antifungal and indications for each one.**	
10	**5/1/2021**	**Bacterial skin diseases:** *** Clinical types:** **- Impetigo: Bullous & non bullous.** **- Ecthyema.** **- Folliculitis: Superficial & deep.** **- Pseudofolliculitis.** **- Boil (Furuncle).** **- Carbuncle.** **- Hidradenitis suppurativa.** **- Erysipelas and Cellulitis.** **- Erythrasma.**	**- Name the bacteria that cause common skin diseases.** **- Describe the common Presentations & the clinical features of these common bacterial diseases.** **- Recognize the management of these diseases.**	**Dr. Nadheer Ahmed**
11	**10/1/2021**	**Hair diseases:** **- Hair cycle.** **- Hair types.** **- Causes of hair loss.** **- Alopecia areata.** **- Androgenetic alopecia (male & female types).** **- Telogen effluvium.** **- Hirsutism.**	**- Explain the hair cycle.** **- List the types of hair loss.** **- Name the causes of hair loss.** **- Describe the clinical features & management of alopecia areata.** **- Describe the manifestations of androgenetic alopecia.** **- Recognize the precipitating factors &management of telogen effluvium.** **- Define hirsutism & its causes.**	**Dr. Hasan Nasir**
12	**12/1/2021**	**Psoriasis:** **- Definition.** **- Etiology.** **- Pathogenesis.** **- Histopathology.** **- Provoking and exacerbating factors.** **- Clinical features.** **- Clinical variants.** **- Differential diagnosis.** **- Treatment: Local, scalp treatment, phototherapy (including PUVA in details) and systemic treatments.** **- Erythroderma: Definition, causes & complications.**	**- Define psoriasis.** **- Mention the etiology, the pathogenesis & the provoking factors of psoriasis.** **- Enumerate the histopathological changes of psoriasis.** **- Describe the clinical variants & the clinical features of psoriasis** **- Name the investigations that are needed for psoriasis.** **- Enumerate the diseases that may simulate psoriasis.** **- Recognize the different managements for psoriasis.**	**Dr. Nadheer Ahmed**
13	**17/1/2021**	**Drugs & Drugs reactions:** **-WHO definition of adverse drug reactions.** **- Classification of adverse drug reactions.** **- Risk factors for adverse drug reactions.** **- Classification.** **- Onset.**	**- Define adverse drug reaction.** **- Classify adverse drug reaction.** **- Identify mechanisms of drug reactions.** **- Clarify different clinical types of drug reactions.** **- List side effects of topical & systemic corticosteroids.**	**Dr. Iqbal Ghalib**

		- Severity. - Type. - Mechanisms of drug reactions. - Immunological reactions. - Non immunologically- mediated reactions. - Clinical types of drug eruptions. - Diagnosis. - Investigations. - Treatment. - Corticosteroids.		
14	19/1/2021	<u>Acne & related disorders:</u> * Acne: - Introduction. - Factors affect acne. - Pathogenesis. - Clinical features. - Complications. - Treatment. - Sever forms of acne. - Other variants of acne. * Rosacea: - Introduction. - Etiology & exacerbating factors. - Clinical features. - Complications. - Differential diagnosis. - Treatment. * Peri - oral dermatitis.	- Define acne. - Mention the factors that affect acne, as well as its etiology & pathogenesis. - Describe the clinical features & the complications of acne. - Recognize the different treatments for acne. - Mention the sever forms as well as other different clinical variants of acne. - Define rosacea. - Describe the etiology, the exacerbating factors & the clinical features of rosacea. - Mention complications of rosacea as well as the diseases that may simulate it. - Recognize the different treatments for rosacea. - Describe perioral dermatitis.	Dr. Nadheer Ahmed
15	24/1/2021	<u>Skin Tumours:</u> - Classification. - Benign tumours. - Pre - malignant conditions. - Malignant tumours. - Etiology. - Differential diagnosis. - Treatment.	- Classify the skin tumours. - List the precipitating factors of skin tumours. - Name the benign, premalignant & malignant skin conditions. - Describe the variable types of basal cell carcinoma (BCC). - Describe the clinical presentations of common skin tumours. - Recognize the treatment Modalities that are used for skin tumours.	Dr. Hasan Nasir
16	26/1/2021	<u>Urticaria:</u> - Introduction. - Definitions. - Classification & types. - Pathogenesis. - Etiological (Provoking) factors. - Clinical features. - Investigations. - Differential diagnoses. - Treatment of urticaria. - Treatment of anaphylaxis.	- Define urticaria & other related conditions. - Classify urticaria and describe its pathogenesis. - Identify the etiological (provoking) factors of urticaria. - Describe clinical features, investigations, differential diagnoses & management of urticaria and anaphylaxis. - Define angioedema & describe its clinical variants, clinical	Dr. Kholood Abbas

		*** Angioedema:** **- Ordinary angioedema.** **- Hereditary angioedema: (chronic familial giant urticaria).** *** Antihistamines .**	**features& management.**	
17	**31/1/2021**	**Inherited skin diseases:** *** Disorders of keratinization:** **- Ichthyosis vulgaris.** **- X- linked ichthyosis.** **- Collodion baby.** **- Acquired icthyosis.** *** Neurocutaneous disorders:** **- Neurofibromatosis (Von Recklinghausen dis.):** **- Diagnostic criteria for NF 1** **- Tuberous sclerosis (epiloia)** *** Xeroderma pigmentosa**	**- Define ichthyosis& its types.** **- Differentiate the variable types of ichthyosis.** **- List the diagnostic criteria of neurofibromatosis.** **- Name the skin manifestations of tuberous sclerosis.** **- Describe Xeroderma pigmentosa.**	**Dr. Hasan Nasir**
18	**2/2/2021**	**Lichen planus & Erythema multiforme:** *** Lichen planus:** **- Introduction.** **- Pathogenesis.** **- Histopathology.** **- Immune fluorescent test.** **- Clinical features.** **- Differential diagnoses.** **- Clinical variants.** **- Treatment.** ***Erythema multiforme:** **- Etiology.** **- Histopathology.** **- Clinical features.** **- Clinical forms.** **- Differential diagnoses.** **- Treatment.**	**- Define lichen planus (LP) ,its clinical presentation& pathogenesis.** **- Describe the variable types of LP.** **- Outline the treatment options of LP.** **- Define erythema multiforme(EM) & its main clinical forms.** **- Name the precipitating factors of EM.** **- Summarize the treatment of EM.**	**Dr. Hasan Nasir**
19	**7/2/2021**	**Pigmentary skin diseases:** **- Synthesis of melanin.** **- Melanogenesis.** **- Classification of pigmentary disorders.** **Hypopigmentation** **- Vitiligo:** **Definition, epidemiology, pathogenesis, clinical features, histopathological findings, diagnosis, differential diagnosis& treatment.** **- Post inflammatory Hypopigmentation.** **- Pityriasis alba.** **- Idiopathic guttate Hypomelanosis.** **- Steroid leukoderma.** **- Albinism.** **Hyperpigmentation:** **- Melasma.**	**- Identify steps of melanogenesis.** **- Clarify the role of melanin in protection from UV light.** **- Identify disorders of hypopigmentation.** **- Identify disorders of hyperpigmentation.**	**Dr. Iqbal Ghalib**

		- Post inflammatory Hyperpigmentation. - Genetic conditions: a- Becker nevus b- café- au lait macule c- Freckles (ephelides d- Lentigo e- Xerodermapigmentosa - Endocrine causes for hyperpigmentation. - Metabolic causes. - Nutritional causes. - Drugs. - Tumors. - Malignancy-associated acanthosis nigricans		
20	9/2/2021	<u>Bullous diseases:</u> - Causes. - Types. - Pemphigus. - Bullous pemphigoid (BP). - Dermatitis herpetiformis (DH). - Hereditary epidermolysis bullosa. - Etiology & pathogenesis. - Clinical features. - Lab. exam. - Treatment.	- Classify bullous diseases. - Name the common autoimmune bullous diseases. - Identify the pathogenesis of common autoimmune bullous diseases. - Describe the clinical presentations of pemphigus, bullous pemphigoid& dermatitis herpetiformis. - Evaluate the different tests used in diagnosing autoimmune bullous diseases. - Summarize the treatment &prognosis of autoimmune diseases.	Dr. Hasan Nasir
21	14/2/2021	<u>Dermatoses Resulting from Physical Factors:</u> - Heat Injuries: Burns. Miliaria. - Cold Injuries: Chilblains. Frostbite. Trench Foot. Livedo reticularis. Raynaud's disease and Phenomenon. Dermatoses with Cold hypersensitivity. - Actinic injuries: Photosensitivity and photosensitive disorders. Sun burn. Solar erythema. Freckles. - Sunscreens: - Photosensitive disorders: Chemically induced photosensitivity. Metabolic disorders.	- Identify various injuries resulting from physical factors. - Identify sunscreen and types with concentration on SPF. - Clarify the effect of radiation injuries on the skin.	Dr. Iqbal Ghalib

		Light exacerbated skin disorders. - Idiopathic photosensitive disorders: Polymorphous Light eruption. Chronic actinic dermatitis. - Radiation Injuries. - Mechanical injuries.		
22	16/2/2021	<u>Nail disorders:</u> *Nail disorders associated with skin diseases. *Acquired nail disorders. *Traumatic nail disorders. *The nail and internal diseases. *Nail discoloration. *Tumours of the nail (Tumours under or adjacent to the nail). *Developmental nail anomalies.	- Identify the nail disorders associated with skin diseases. - Describe the acquired and traumatic nail disorders. - Clarify the nail changes in internal diseases, causes of nail discoloration, types of nail tumours& developmental nail anomalies.	Dr. Kholood Abbas
23	21/2/2021	<u>Connective tissue diseases:</u> * Lupus erythematosus LE: - Systemic lupus erythematosus (SLE): Etiology & pathogenesis. Clinical manifestations. Lab. Exam. Diagnostic criteria of SLE. - Subacute cutaneous lupus erythematosus SCLE. - Chronic cutaneous lupus erythematosus CCLE. * Dermatomyositis DM. * Scleroderma (systemic sclerosis).	- Classify connective tissue Diseases. - Name the types of Lupus erythematosus &their clinical presentations. - List the diagnostic criteria of systemic lupus erythematosus SLE. - Define dermatomyositis ,its clinical presentation, diagnosis & treatment. - Identify Scleroderma (systemic sclerosis) ,its clinical types& management.	Dr. Hasan Nasir
24	23/2/2021	<u>Cutaneous manifestations of systemic diseases:</u> *Xanthoma and hyperlipidemia: - Introduction & types of hyperlipidemias. - Clinical types, histology & treatment of xanthoma . *Diabetes mellitus. *Endocrine disorders. *Nutritional problems. * Liver diseases. *Chronic renal failure. *GIT problems. *Pyoderma gangrenosum. *Behcet's disease.	- Clarify the systemic diseases that associate with skin changes. - Describe xanthoma, its types, histology, clinical features& treatment. - Identify skin changes of Diabetes mellitus& other endocrine disorders. - Clarify the skin changes that are seen in the main nutritional problems. - Describe skin manifestations of liver diseases, chronic renal failure& GIT problems. - Identify causes, clinical features& management of pyoderma gangrenosum& Behcet's disease.	Dr. Kholood Abbas

<u>NOTE:</u>

*** <u>Every lecture was given two times/week, for group A & group B 5th class students.</u>**

Course Co-coordinator: Dr. Rafid Bashir Hashim

Textbook: Davidson's Principles and Practice of Medicine, Macleod's Clinical Examination

References: Harrison's Principles of Internal Medicine, Current medical diagnosis and treatment

Aim of the course
Upon completion of this course the 4th year medical student at College of Medicine – Alnahrain University will be able to:

1. **Knowledge for practice:**
   a. Recognize the physiologic mechanisms that explain key findings in the history and physical exam.
   b. Describe the etiologies, pathophysiology, clinical features, differential diagnosis, and interpretation of clinical signs to certain daignoses
   c. Able to perform clinical examination in optimal maneuver with focusing on points to aid in diagnosis .

2. Problem Solving and Clinical Skills/Patient Care
   a. Complete a focused patient's history and physical exam in a respectful, logical and organized manner.
   b. Evaluate and prioritize problems with which a patient presents, appropriately synthesizing these into logical clinical syndromes.
   c. Formulate a differential diagnosis based on the findings from the history and physical examination and apply differential diagnosis

3. Practice-Based Learning and Improvement
   a. Recognize when additional information is needed to care for the patient and demonstrate ongoing commitment to self-directed learning.
   b. Gradual involvment in patient interrogation to pick up important historical points needed for analysis of symptoms
   c. Ability to be involved in directed clinincal examination that fits the history given according to persumed differential diagnosis
   d. History and clinincal examinations focusing on cardiovascular ,respiratory , GIT ,genitourinary , hematological ,& endocrinology
   e. Demonstrate ability to answer clinical questions using evidence-based medicine.
   f. Analyze gaps in knowledge and skills and see resources including assistance from colleagues to address gaps.
   g. Communicate effectively using plain language rather than use of jargon
   h. Communicate with patients and relatives in a respectful and sympathetic manner.

4. Systems-Based Practice
   a. Differentiate the role and contribution of each team member to the care of the patient, and call on interdisciplinary resources (case workers, nurses, physical therapists, etc.) to provide optimal and comprehensive care.
   b. Apply health systems-based thinking to address outcomes in patient care.

5. Interpersonal and Communication Skills
   a. Demonstrate appropriate listening and verbal skills to communicate empathy, elicit information regarding the patient's preferences and provide basic information and an explanation of the diagnosis, prognosis and treatment plan.
   b. Perform as an effective member of the patient care team, incorporating skills in inter-professional communication and collaboration including giving and receiving feedback.
   c. Document and orally present new patient and follow up patient cases in a thorough and focused manner.

6. Professionalism

a. Demonstrate a commitment to caring for all patients regardless of their medical diagnoses or social factors.
b. Exhibit teamwork and respect toward all members of the health care team, as manifested by reliability, responsibility, honesty, helpfulness, selflessness, and initiative in working with the team.
c. Demonstrate a positive attitude towards learning by showing intellectual curiosity, initiative, honesty, integrity, and dedication.

Teaching and Learning Methods: attending wards of general medicine 2 hours per day for five days per week during the 6-8 wk course.

1. History.
2. Clinical exam
3. Thourough discussion on the case in relevance to history & examination of the patient

Assessment methods:

1. **Clinical assessment:** history presentation and physical exam, interpretation of symptoms, eliciting and interpreting physical signs, making differential diagnoses
2. **Short paper exam:** including recall information and case problems (BOF) and short essay

Detailed Curriculum

Topic	Wks	Details
cardiovascular & respiratory system	3	Detailed knowledge of presenting symptoms of both systems Detailed examination of both systems in organized approach Focusing on common diseases in both systems like heart failure ,angina , obstructibe airway disease Exposure to common physical cardiac &respiratory signs by observation , palpation , percussion & auscultation
Gastrointestinal	1	Detailed knowledge of presenting symptoms Detailed GIT examination IN organized manner Focusing on common diseases & presentationslike jaundice ,abdominal pain , abdominal swellng ,vomiting ,diahrria ,constipation, ,GIT bleeding Exposure to common physical signs by observation , palpation , percussion & auscultation
Genito urinary	1	Detailed knowledge of presenting symptoms Detailed genitourinary

		examination IN organized manner Focusing on common diseases & presentationslike acute & chronic renal failure , hematuria , loin to groin pain , polyuria , obstructive uropathy Exposure to common physical signs by observation , palpation , percussion & auscultation
Endocrinology including diabetes	1	Detailed history & examination on clinical presentation & important physical examination in DM with focusing on clinincal criteria of poorly controlled disease, Introduction to other common diseases like hpo &hyperthyroidism with clinical examination on thyroid glnad
Hematology	1	Focusing on common clinical presentations like pallor , bleeding tendency ,fever , approach ot anemia Focusing on LN examination ,hepato splenmegally Building differentails on symptoms & signs
Review of systems	1	Revision of all systems
Examination		

Course Co-coordinator: Dr. Moayed Basheer Hamid

Textbook: Davidson's Principles and Practice of Medicine, Macleod's Clinical Examination

References: Harrison's Principles of Internal Medicine, Current medical diagnosis and treatment

Aim of the course
Upon completion of this course the 5th year medical student at College of Medicine – Alnahrain University will be able to:

1. **Knowledge for practice:**
    a. Recognize the physiologic mechanisms that explain key findings in the history and physical exam.
    b. Describe the etiologies, pathophysiology, clinical features, differential diagnosis, and related diagnostic testing and management of common medical conditions.
    c. List the indications for the most commonly performed investigations.
    d. Demonstrate knowledge of human anatomy by recognizing key structures on various imaging modalities.
    e. Describe the clinical and lab features that help to assess severity and life threatening features of common diseases.

2. Problem Solving and Clinical Skills/Patient Care
    a. Complete a focused patient's history and physical exam in a respectful, logical and organized manner.
    b. Evaluate and prioritize problems with which a patient presents, appropriately synthesizing these into logical clinical syndromes.
    c. Formulate a differential diagnosis based on the findings from the history and physical examination and apply differential diagnosis to help guide diagnostic test ordering and sequencing.
    d. Choose the most appropriate initial investigations to be done according to the presenting problem
    e. Advice patients and colleagues on the risks, benefits, limitations and indications of each of the most commonly performed investigations.
    f. Identify critical and high priority imaging findings on the most commonly performed imaging exams and discuss their importance in clinical patient management.
    g. Decide the need for emergency or inpatient vs outpatient management
    h. Formulate an initial therapeutic plan and explain the extent to which the therapeutic plan is based on pathophysiologic reasoning and scientific evidence of effectiveness.
    i. Apply outpatients' follow up of chronic diseases using pertinent clinical and lab parameters

3. Practice-Based Learning and Improvement
    a. Recognize when additional information is needed to care for the patient and demonstrate ongoing commitment to self-directed learning.
    b. Demonstrate ability to answer clinical questions using evidence-based medicine.
    c. Analyze gaps in knowledge and skills and see resources including assistance from colleagues to address gaps.
    d. Consider factors when performing diagnostic testing, including pretest probability, performance characteristics of tests (sensitivity, specificity, and likelihood ratios) and cost, risk and patient preferences and interpret these tests.

e. Build a model for solving imaging related problems that effectively integrates indications for imaging, evidence-based uses for imaging, analysis of imaging findings and generation of an imaging differential diagnosis.
f. Communicate effectively using plain language rather than use of jargon
g. Communicate the plan of management to the patient presenting all possible options and obtaining informed consent for procedures and therapeutic actions
h. Communicate with patients and relatives in a respectful and sympathetic manner.

4. Systems-Based Practice

a. Differentiate the role and contribution of each team member to the care of the patient, and call on interdisciplinary resources (case workers, nurses, physical therapists, etc.) to provide optimal and comprehensive care.
b. Apply health systems-based thinking to address outcomes in patient care.
c. Consider patient, physician, and system barriers (including cost) to successfully negotiate treatment plans and patient adherence; and understand strategies that may be used to overcome these barriers.

5. Interpersonal and Communication Skills

a. Demonstrate appropriate listening and verbal skills to communicate empathy, elicit information regarding the patient's preferences and provide basic information and an explanation of the diagnosis, prognosis and treatment plan.
b. Perform as an effective member of the patient care team, incorporating skills in inter-professional communication and collaboration including giving and receiving feedback.
c. Document and orally present new patient and follow up patient cases in a thorough and focused manner.

6. Professionalism

a. Demonstrate a commitment to caring for all patients regardless of their medical diagnoses or social factors.
b. Exhibit teamwork and respect toward all members of the health care team, as manifested by reliability, responsibility, honesty, helpfulness, selflessness, and initiative in working with the team.
c. Demonstrate a positive attitude towards learning by showing intellectual curiosity, initiative, honesty, integrity, and dedication.

Teaching and Learning Methods: attending consultation rooms of general medicine and other medical subspecialities three hours per day for five days per week during the three – week course.

1. History.
2. Clinical exam.
3. Teaching students by observing and sometimes doing bedside tests and instruments like GUE, GSE, ECG, exercise ECG, and endoscopy to reach the diagnosis.

Assessment methods:

1. **Clinical assessment:** history presentation and physical exam, interpretation of symptoms, eliciting and interpreting physical signs, making differential diagnoses suggesting investigations, and planning triage and management
2. **Short paper exam:** including recall information and case problems (BOF) and short essay

Detailed Curriculum

Content	Hours	Objectives
General medicine	6	
Cardiovascular	6	Analyze presenting symptoms of

system: Presenting symptoms of cardiac diseases: Chest pain, breathlessness, palpitation, dizziness or syncope, and leg edema Exam of cardiac diseases ECG CXR Echocardiography Exercise ECG Holter study Acute and Chronic Heart Failure Stable angina and ACSs Arrhythmias Pacemaker and ICD		cardiac diseases Perform focused clinical exam of CVS and relevant systems Formulate differential diagnosis based on initial patient data Arrange diagnostic work up Identify key abnormalities in the ECG and CXR Sort patients who are candidates for CCU admission or outpatient management Apply knowledge of indications and contraindications of exercise ECG test to patient with chest pain Apply knowledge of usefulness and limitations of echo in patients with chest pain, SOB, palpitation, and syncope Apply knowledge of usefulness and limitations of Holter in patients with palpitation, and syncope Choose a management plan accordingly Advice patient about precautions with use of drugs like nitrates and BB
Respiratory system; Presenting symptoms of resp diseases: cough, hemoptysis breathlessness, chest pain. Exam of resp system PFT CXR Method of use of inhalors	6	Analyze presenting symptoms of resp diseases: Cough, hemoptysis, breathlessness, chest pain Perform focused clinical exam of resp system and relevant systems Suggesting relevant investigations Analyze findings of PFTs Systematic analysis of CXR and CT chest Demonstrate to patients use of inhalers
History and	6	Demonstrate knowledge in history

Physical exam Complete blood count Anemia polycythemia bleeding tendency Lymphadenopathy splenomegaly		taking and recognition of key physical signs in patients with blood diseases. Formulate differential diagnosis based on initial patient data Arrange diagnostic work up Analyze the findings of CBP Classify anemia according to history, physical examination, and blood indices Demonstrate knowledge of tests of coagulation profile Differentiate between benign vs pathological LN enlargement Identify splenomegaly and formulate a differential diagnosis Advice patient about the precautions of anticoagulants and how to monitor response to drug therapy
Gastroenterology: History and Physical Exam Liver function test Acute and chronic liver failure Diarrhea Upper and lower GI bleeding Infectious diseases of the GI and Liver	6	Assess patient with suspected GIT disease by demonstrating knowledge in history taking and recognition of key physical signs. Formulate differential diagnosis based on initial patient data Arrange diagnostic work up Choose a management plan Communicate the implications of viral hepatitis to patient and family Identify key abnormalities in the LFT and differentiate between conditions and arrange appropriate management Demonstrate knowledge of the use of GSE in the management of acute diarrhea Evaluate patient with chronic

		diarrhea Identify and investigate patient with suspected ascites Diagnose and treat helminthic infestations Assess severity of dehydration or hypovolemia in patients with diarrhea or GIT bleeding and thereby triage of patient to ER, inpatient, or outpatient management Demonstrate knowledge of the indications and contraindications for GIT endoscopy Advice patient how to prepare for endoscopy
Endocrinology: DM Thyroid diseases Adrenal gland diseases	6	Analyze presenting symptoms of endocrine diseases Perform a focused exam of patient with suspected endocrine disease Arrange a diagnostic work up for DM, thyroid and adrenal diseases Demonstrate how to control hyperglycemia by drug therapy Advice patient about diet control of DM Demonstrate to patient the use of insulin injections Apply a checklist for follow up of DM Triage of patients with DKA or hypoglycemia Diagnose and investigate a patient with electrolytes disturbances Diagnose and investigate a patient with adrenal disease
Nephrology GUE Renal function test Acute renal failure CRF	6	Analyze presenting symptoms of GUS: dysuria, polyuria, nocturia, hematuria, suprapubic and loin pain Perform a focused exam of patient with GUS disease Arrange a diagnostic work up for with GUS disease Analyze the findings of GUE Arrange investigations for with 1st UTI vs patients with recurrent UTI Identify ECG features of electrolytes disturbances and plan treatment Differentiate between ARF and

		CRF by history, physical exam and investigation Recognize the indications for dialysis in patients with ARF and CRF Advice about diet therapy in patient with renal failure or urinary calculi Advice the patient about the advantages and disadvantages of different types of dialytic therapy
Rheumatology Monoarthritis Polyarthritis Osteoarthritis Muscle diseases Rheumatoid arthritis and connective tissue diseases	3	Analyze patients symptoms and perform a focused clinical exam Suggest relevant blood investigations and imaging tools Plan non pharmalogical and pharmacological treatment Perform and interpret the results of joint aspirate Educate patient about rehabilitation measures to control pain and improve function

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

Academic Program Specification Form For The Academic

Universitiy:
College :
Department :
Date Of Form Completion :

Dean's Name

Date : / /

Signature

Dean's Assistant For Scientific Affairs

Date : / /

Signature

Head of Department

Date : / /

Signature

Quality Assurance And University Performance Manager
Date : / /
Signature

TEMPLATE FOR PROGRAMME SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

PROGRAMME SPECIFICATION

This Programme Specification provides a concise summary of the main features of the programme 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 is supported by a specification for each course that contributes to the programme.

1. Teaching Institution	
2. University Department/Centre	
3. Programme Title	
4. Title of Final Award	
5. Modes of Attendance offered	
6. Accreditation	
7. Other external influences	
8. Date of production/revision of this specification	
9. Aims of the Programme	

10. Learning Outcomes, Teaching, Learning and Assessment Methods
A. Knowledge and Understanding A1. A2. A3. A4. A5. A6.
B. Subject-specific skills B1. B2. B3.
Teaching and Learning Methods
Assessment methods
C. Thinking Skills C1. C2. C3. C4.
Teaching and Learning Methods
Assessment methods

D. General and Transferable Skills (other skills relevant to employability and personal development)
D1.
D2.
D3.
D4.

Teaching and Learning Methods

Assessment Methods

11. Programme Structure				12. Awards and Credits
Level/Year	Course or Module Code	Course or Module Title	Credit rating	
				Bachelor Degree Requires (x) credits

13. Personal Development Planning
14. Admission criteria .
All sixth year students
15. Key sources of information about the programme
Davidson’s principles and practice of medicine 23e 2018 Harrison’s internal Medicine 20e 2018 Macleod’s clinical Examination 14e 2018

Curriculum Skills Map																			
please tick in the relevant boxes where individual Programme Learning Outcomes are being assessed																			
				Programme Learning Outcomes															
Year / Level	Course Code	Course Title	Core (C) 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**

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	College of Medicine- Al-Nahrain University
2. University Department/Centre	Department of Internal Medicine
3. Course title/code	Clinical Internal Medicine- ^th Stage
4. Programme(s) to which it contributes	MBChB
5. Modes of Attendance offered	Mixed
6. Semester/Year	1 course per year
7. Number of hours tuition (total)	300
8. Date of production/revision of this specification	2020
9. Aims of the Course	
Take full detailed history -1	
2. Perform systematic physical examination	
3. Order appropriate investigations	
4. Treatment outlines	
5. Deal with emergency and life threatening cases	
Take full detailed history	
2. Perform systematic physical examination	

10· Learning Outcomes, Teaching ,Learning and Assessment Methode

A- Knowledge and Understanding

A1.
A2.
A3.
A4.
A5.
A6 .

B. Subject-specific skills

B1.
B2.
B3.

Teaching and Learning Methods

1. Bed-side teaching by dividing the students into groups, each group includes 15 – 20 students
2. Clinical attachment to medical hospital teams with each 2-3 students following the patients of their team
3. Small group teaching as tutorials discussing common patients' presentations

Assessment methods

The minimum requirement of a student to pass is to achieve at least 50% of the total 100 marks assigned for the course.
The marks are distributed as follows:

Course average 20% and divided as:
- Long case 5%
- Short case 5%
- Oral examination 4%
- OSCE 4%
- Logbook 2%

Final exam 80% which includes:
- Written exam 30% divided into:
  - MCQ 18%
  - Problem solving questions 12%
- Clinical exam 40% divided into:
  - Long case 15%
  - Short case 15%
  - Oral exam 10%
- OSCE 10%

Students who fail to attain the 50% cut-off mark are required to re-sit for a second trial examination similar to the final one. Failing in the second trial entails the student to repeat the academic year.

C. Thinking Skills

C1.
C2.
C3.
C4.

Teaching and Learning Methods

4. Bed-side teaching by dividing the students into groups, each group includes 15 – 20 students
5. Clinical attachment to medical hospital teams with each 2-3 students following the patients of their team
6. Small group teaching as tutorials discussing common patients' presentations

Assessment methods

The minimum requirement of a student to pass is to achieve at least 50% of the total 100 marks assigned for the course.
The marks are distributed as follows:

Course average 20% and divided as:
- Long case 5%
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Final exam 80% which includes:
- Written exam 30% divided into:
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  - Problem solving questions 12%
- Clinical exam 40% divided into:
  - Long case 15%
  - Short case 15%
  - Oral exam 10%
- OSCE 10%

Students who fail to attain the 50% cut-off mark are required to re-sit for a second trial examination similar to the final one. Failing in the second trial entails the student to repeat the academic year.

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

D1.
D2.
D3.
D4.

11. Course Structure

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	**40**	**Cardiovascular system**		Mixed	Clinical Exam
2	**40**	**Respiratory system**		Mixed	Clinical Exam
3	**40**	**Cardiovascular system**		Mixed	Clinical Exam
4	**40**	**Cardiovascular system**		Mixed	Clinical Exam
5	**40**	**Cardiovascular system**		Mixed	Clinical Exam
6	**30**	**Cardiovascular system**		Mixed	Clinical Exam
7	**40**	**Cardiovascular system**		Mixed	Clinical Exam
8	**30**	**Cardiovascular system**		Mixed	Clinical Exam

12. Infrastructure	
Required reading: · CORE TEXTS · COURSE MATERIALS · OTHER	Davidson's principles and practice of medicine 23e 2018 Harrison's internal Medicine 20e 2018 Macleod's clinical Examination 14e 2018
Special requirements (include for example workshops, periodicals, IT software, websites)	
Community-based facilities (include for example, guest Lectures , internship , field studies)	

13. Admissions	
Pre-requisites	Passing fifth year
Minimum number of students	5 per group
Maximum number of students	20 per group

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

Academic Program Specification Form For The Academic

Universitiy: Alnahrain
College : Medicine
Department : Medicine / Dermatology
Date Of Form Completion : 20/06/2021

Dean's Name

Date : / /

Signature

Dean's Assistant For Scientific Affairs

Date : / /

Signature

Head of Department

Date : / /

Signature

Quality Assurance And University Performance Manager
Date : / /
Signature

TEMPLATE FOR PROGRAMME SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

PROGRAMME SPECIFICATION

This Programme Specification provides a concise summary of the main features of the programme 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 is supported by a specification for each course that contributes to the programme.

1. Teaching Institution	
2. University Department/Centre	
3. Programme Title	
4. Title of Final Award	
5. Modes of Attendance offered	
6. Accreditation	
7. Other external influences	
8. Date of production/revision of this specification	
9. Aims of the Programme	

10. Learning Outcomes, Teaching, Learning and Assessment Methods
A. Knowledge and Understanding **A1.** **A2.** **A3.** **A4.** **A5.** **A6.**
B. Subject-specific skills **B1.** **B2.** **B3.**
Teaching and Learning Methods
Assessment methods
C. Thinking Skills **C1.** **C2.** **C3.** **C4.**
Teaching and Learning Methods
Assessment methods

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

D1.
D2.
D3.
D4.

Teaching and Learning Methods

Assessment Methods

11. Programme Structure				**12. Awards and Credits**
Level/Year	**Course or Module Code**	**Course or Module Title**	**Credit rating**	
				Bachelor Degree Requires (x) credits

13. Personal Development Planning
14. Admission criteria .
15. Key sources of information about the programme

Curriculum Skills Map																			
please tick in the relevant boxes where individual Programme Learning Outcomes are being assessed																			
				Programme Learning Outcomes															
Year / Level	Course Code	Course Title	Core (C) 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

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	**College of Medicine – Al-Nahrain University**
2. University Department/Centre	**Medicine**
3. Course title/code	**Dermatology / MED-Derm51**
4. Programme(s) to which it contributes	**M.B.Ch.B.**
5. Modes of Attendance offered	**Electronic**
6. Semester/Year	**Fifth year – First semester**
7. Number of hours tuition (total)	**30 h.**
8. Date of production/revision of this specification	**2020 - 2021**
9. Aims of the Course: **Upon completion of this course the 5th year medical student at College of Medicine – Al-Nahrain University will be able to:**	
- Introducing dermatological and venereal diseases, their importance and their relationship to other medical sciences	
- Introducing the basics of diagnostic and therapeutic dermatology and venereology	
- Introducing the important clinical symptoms of dermatology and venereal diseases, especially for common diseases	
- Introducing the causes and factors that cause skin and genital diseases	

- Identify dangerous diseases and how to deal with them
- Clarify the importance of methods for diagnosing these diseases in the event that they are difficult to diagnose clinically
- Clarify the importance of methods for diagnosing these diseases in the event that they are difficult to diagnose clinically
- Introducing scientific and research developments in dermatology

10· Learning Outcomes, Teaching ,Learning and Assessment Methods:

A- Knowledge and Understanding

A1. The student should be able to recognize the pathological symptoms of various dermatological and venereal diseases

A2. The student should be able to distinguish between different skin and venereal diseases

A3. The student has the ability to determine the ways to reach the initial and then final diagnosis

A4. To familiarize the student with the necessary drugs for treatment and other therapeutic methods

A5. The student possesses basic information about research on new and popular therapeutic developments

A6. The student benefit from the foundations of education for the basic sciences to explain the pathological conditions that he learns

B. Subject-specific skills:

B1. Developing the diagnosis in the student by acquiring the skills of clinical examination methods

B2. The student should have the ability to conduct clinical and therapeutic examinations and interventions

B3. To develop the student's skills in facing life-threatening situations and how to deal with them

B4. Teaching the student how to cooperate with other branches of medicine through medical advice

Teaching and Learning Methods:

- Theoretical lectures in all details
- Clinical lectures, including discussions of different medical conditions, examination of patients, trying to reach the correct diagnosis and giving the appropriate treatment
- Display multiple slides for various symptoms and various dermatological and venereal diseases, especially the common ones

Assessment methods:

- Mid-term & clinical exam.
- Theoretical and clinical final exams.
- Sudden daily exams.
- Daily and quarterly evaluation

C. Thinking Skills:

C1. Attention to ethics and how to properly deal with patients and colleagues

C2. Respecting the sanctity of the medical profession and its laws

C3. Develop the student's own abilities in gaining scientific skills and foundations, especially modern and advanced ones

C4. Self-education on the importance of spreading correct medical sciences to overcome the wrong beliefs prevailing in society

Teaching and Learning Methods:

- Communication skills between the student and the professor on one hand, and between the student and the patient on the other
- Follow the correct methods in daily dealings, whether in lecture halls or in the hospital
- Active daily participation in discussions, presenting constructive opinions and ideas, and the possibility of commenting and evaluating
- Presenting some important medical problems for the purpose of stimulating the student's thinking and creativity factor
- Encouraging the provision of services to the community through participation in extra-curricular activities and events

Assessment methods:

-Daily assessment of attendance and active student participation
-Assessment through performing the daily duties and preparations assigned to the student
-Presenting important ideas for community service
-The initiative to express effective and constructive opinions and suggestions

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

D1. Strength of Personality
D2. The ability to make decisions, especially critical ones
D3. Participate in giving lectures, presenting sick cases and suggesting possible solutions to them
D4. Daily preparation and development of dialogue skills

11. Course Structure:

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	2	Introducing the skin and its importance with a detailed study of the cells and layers of the skin from an anatomical and physiological point of view As well as the definition of skin symptoms necessary for diagnosis and knowledge of laboratory methods and other means necessary for diagnosis	Anatomy and Physiology of the Skin & Diagnosis of skin disorders	-Theoretical lecture -Benefit from clinical lecture -Illustrative images - Slides to know the methods of diagnosis	-Short daily, mid-term & final exams.
2	2	How to deal with eczema, which is an important group of widespread skin diseases	Eczemas	The same as week 1	The same as week 1

3	**2**	**Introducing important and common parasitic and epidemic diseases and how to confront and eliminate them and work to prevent their occurrence**	**Parasitic skin diseases**	**The same as week 1**	**The same as week 1**
4	**2**	**Prevention of sexually transmitted diseases, how to deal with them, and the need for early diagnosis to prevent their spread**	**Sexually transmitted diseases**	**The same as week 1**	**The same as week 1**
5	**2**	**Diagnosis of some very common and infectious skin diseases and the ability to deal with them and the possibility of avoiding their occurrence again**	**Viral & Bacterial skin diseases**	**The same as week 1**	**The same as week 1**
6	**2**	**The ability to diagnose psoriasis, which is one of the most common skin diseases, and to find its possible causes, how to treat it and reduce its multiple pathological problems**	**Psoriasis**	**The same as week 1**	**The same as week 1**
7	**2**	**Knowledge of skin problems caused by many medical drugs and how to overcome them, in addition to the ability to diagnose and treat some important pigmentary diseases**	**Drugs and their reactions & Disorders of pigmentation**	**The same as week 1**	**The same as week 1**
8	**2**	**The ability to diagnose two common skin diseases, acne & rosacea and how to treat them and try to reduce their negative effects**	**Acne & related conditions**	**The same as week 1**	**The same as week 1**
9	**2**	**How to deal with an important category of infectious fungal skin diseases, control them and prevent their spread through the speed and accuracy of diagnosis and treatment**	**Fungal skin diseases**	**The same as week 1**	**The same as week 1**
10	**2**	**Identify important health and aesthetic hair diseases and how to prevent them and**	**Hair diseases**	**The same as week 1**	**The same as week 1**

		prevent their complications and problems			
11	2	The ability to deal quickly with an important and common skin disease that contains some danger to the patient and how to prevent its recurrence as well as the definition of two common skin diseases and how to diagnose and treat them	Urticaria, Lichen planus & Erythema multiforme	The same as week 1	The same as week 1
12	2	Introducing benign and malignant skin tumors and how to accurately differentiate between the two types while learning the rapid and immediate diagnosis and treatment of malignant tumors to prevent their spread and prevent their impact on the patient's life, as well as the ability to know some skin diseasesas important genetics and trying to prevent their occurrence with the ability to quickly control them and their complications when they occur	Skin tumours & Genodermatoses	The same as week 1	The same as week 1
13	2	Understand the close relationship between a wide range of skin diseases and the physical factors that cause them while trying to prevent the occurrence of these diseases by preventing or preventing their causes	Dermatoses resulting from physical factors	The same as week 1	The same as week 1
14	2	The ability to diagnose wide and important groups of Connective tissues problems skin diseases, the necessary diagnostic methods and how to treat these diseases	Connective tissues diseases	The same as week 1	The same as week 1
15	2	Recognizing the close link between skin diseases and other general diseases on one		The same as week 1	The same as week 1

		hand and the nails on the other hand, as well as recalling the many skin symptoms of many important internal diseases and the possibility of detecting them through a full examination of the skin and its appendages	Nail disorders & Cutaneous manifestations of systemic diseases		

12. Infrastructure:	
Required reading: · CORE TEXTS · COURSE MATERIALS · OTHER	- Fitzpatrick's colour atlas of Dermatology - Hunter's Clinical Dermatology - Habif clinical Dermatology
Special requirements (include for example workshops, periodicals, IT software, websites)	None
Community-based facilities (include for example, guest Lectures , internship , field studies)	None

13. Admissions:	
Pre-requisites	Passing the 4th year successfully
Minimum number of students	40
Maximum number of students	80

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

Academic Program Specification Form For The Academic

Universitiy: Alnahrain
College : Medicine
Department : Medicine / Dermatology
Date Of Form Completion : 20/06/2021

Dean's Name

Date : / /

Signature

Dean's Assistant For Scientific Affairs

Date : / /

Signature

Head of Department

Date : / /

Signature

Quality Assurance And University Performance Manager
Date : / /
Signature

TEMPLATE FOR PROGRAMME SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

PROGRAMME SPECIFICATION

This Programme Specification provides a concise summary of the main features of the programme 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 is supported by a specification for each course that contributes to the programme.

1. Teaching Institution	
2. University Department/Centre	
3. Programme Title	
4. Title of Final Award	
5. Modes of Attendance offered	
6. Accreditation	
7. Other external influences	
8. Date of production/revision of this specification	
9. Aims of the Programme	

10. Learning Outcomes, Teaching, Learning and Assessment Methods
A. Knowledge and Understanding **A1.** **A2.** **A3.** **A4.** **A5.** **A6.**
B. Subject-specific skills **B1.** **B2.** **B3.**
Teaching and Learning Methods
Assessment methods
C. Thinking Skills **C1.** **C2.** **C3.** **C4.**
Teaching and Learning Methods
Assessment methods

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

D1.
D2.
D3.
D4.

Teaching and Learning Methods

Assessment Methods

11. Programme Structure				**12. Awards and Credits**
Level/Year	**Course or Module Code**	**Course or Module Title**	**Credit rating**	
				Bachelor Degree Requires (x) credits

13. Personal Development Planning
14. Admission criteria .
15. Key sources of information about the programme

Curriculum Skills Map																			
please tick in the relevant boxes where individual Programme Learning Outcomes are being assessed																			
				Programme Learning Outcomes															
Year / Level	Course Code	Course Title	Core (C) 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

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	**College of Medicine – Al-Nahrain University**
2. University Department/Centre	**Medicine**
3. Course title/code	**Dermatology / MED-Derm51**
4. Programme(s) to which it contributes	**M.B.Ch.B.**
5. Modes of Attendance offered	**Electronic**
6. Semester/Year	**Fifth year – First semester**
7. Number of hours tuition (total)	**30 h.**
8. Date of production/revision of this specification	**2020 - 2021**
9. Aims of the Course: **Upon completion of this course the 5th year medical student at College of Medicine – Al-Nahrain University will be able to:**	
- Introducing dermatological and venereal diseases, their importance and their relationship to other medical sciences	
- Introducing the basics of diagnostic and therapeutic dermatology and venereology	
- Introducing the important clinical symptoms of dermatology and venereal diseases, especially for common diseases	
- Introducing the causes and factors that cause skin and genital diseases	

- Identify dangerous diseases and how to deal with them
- Clarify the importance of methods for diagnosing these diseases in the event that they are difficult to diagnose clinically
- Clarify the importance of methods for diagnosing these diseases in the event that they are difficult to diagnose clinically
- Introducing scientific and research developments in dermatology

10· Learning Outcomes, Teaching ,Learning and Assessment Methods:

A- Knowledge and Understanding

A1. The student should be able to recognize the pathological symptoms of various dermatological and venereal diseases

A2. The student should be able to distinguish between different skin and venereal diseases

A3. The student has the ability to determine the ways to reach the initial and then final diagnosis

A4. To familiarize the student with the necessary drugs for treatment and other therapeutic methods

A5. The student possesses basic information about research on new and popular therapeutic developments

A6. The student benefit from the foundations of education for the basic sciences to explain the pathological conditions that he learns

B. Subject-specific skills:

B1. Developing the diagnosis in the student by acquiring the skills of clinical examination methods

B2. The student should have the ability to conduct clinical and therapeutic examinations and interventions

B3. To develop the student's skills in facing life-threatening situations and how to deal with them

B4. Teaching the student how to cooperate with other branches of medicine through medical advice

Teaching and Learning Methods:

- Theoretical lectures in all details
- Clinical lectures, including discussions of different medical conditions, examination of patients, trying to reach the correct diagnosis and giving the appropriate treatment
- Display multiple slides for various symptoms and various dermatological and venereal diseases, especially the common ones

Assessment methods:

- Mid-term & clinical exam.
- Theoretical and clinical final exams.
- Sudden daily exams.
- Daily and quarterly evaluation

C. Thinking Skills:

C1. Attention to ethics and how to properly deal with patients and colleagues

C2. Respecting the sanctity of the medical profession and its laws

C3. Develop the student's own abilities in gaining scientific skills and foundations, especially modern and advanced ones

C4. Self-education on the importance of spreading correct medical sciences to overcome the wrong beliefs prevailing in society

Teaching and Learning Methods:

- Communication skills between the student and the professor on one hand, and between the student and the patient on the other
- Follow the correct methods in daily dealings, whether in lecture halls or in the hospital
- Active daily participation in discussions, presenting constructive opinions and ideas, and the possibility of commenting and evaluating
- Presenting some important medical problems for the purpose of stimulating the student's thinking and creativity factor
- Encouraging the provision of services to the community through participation in extra-curricular activities and events

Assessment methods:

-Daily assessment of attendance and active student participation
-Assessment through performing the daily duties and preparations assigned to the student
-Presenting important ideas for community service
-The initiative to express effective and constructive opinions and suggestions

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

D1. Strength of Personality
D2. The ability to make decisions, especially critical ones
D3. Participate in giving lectures, presenting sick cases and suggesting possible solutions to them
D4. Daily preparation and development of dialogue skills

11. Course Structure:

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	2	Introducing the skin and its importance with a detailed study of the cells and layers of the skin from an anatomical and physiological point of view As well as the definition of skin symptoms necessary for diagnosis and knowledge of laboratory methods and other means necessary for diagnosis	Anatomy and Physiology of the Skin & Diagnosis of skin disorders	-Theoretical lecture -Benefit from clinical lecture -Illustrative images - Slides to know the methods of diagnosis	-Short daily, mid-term & final exams.
2	2	How to deal with eczema, which is an important group of widespread skin diseases	Eczemas	The same as week 1	The same as week 1

3	**2**	**Introducing important and common parasitic and epidemic diseases and how to confront and eliminate them and work to prevent their occurrence**	**Parasitic skin diseases**	**The same as week 1**	**The same as week 1**
4	**2**	**Prevention of sexually transmitted diseases, how to deal with them, and the need for early diagnosis to prevent their spread**	**Sexually transmitted diseases**	**The same as week 1**	**The same as week 1**
5	**2**	**Diagnosis of some very common and infectious skin diseases and the ability to deal with them and the possibility of avoiding their occurrence again**	**Viral & Bacterial skin diseases**	**The same as week 1**	**The same as week 1**
6	**2**	**The ability to diagnose psoriasis, which is one of the most common skin diseases, and to find its possible causes, how to treat it and reduce its multiple pathological problems**	**Psoriasis**	**The same as week 1**	**The same as week 1**
7	**2**	**Knowledge of skin problems caused by many medical drugs and how to overcome them, in addition to the ability to diagnose and treat some important pigmentary diseases**	**Drugs and their reactions & Disorders of pigmentation**	**The same as week 1**	**The same as week 1**
8	**2**	**The ability to diagnose two common skin diseases, acne & rosacea and how to treat them and try to reduce their negative effects**	**Acne & related conditions**	**The same as week 1**	**The same as week 1**
9	**2**	**How to deal with an important category of infectious fungal skin diseases, control them and prevent their spread through the speed and accuracy of diagnosis and treatment**	**Fungal skin diseases**	**The same as week 1**	**The same as week 1**
10	**2**	**Identify important health and aesthetic hair diseases and how to prevent them and**	**Hair diseases**	**The same as week 1**	**The same as week 1**

		prevent their complications and problems			
11	2	The ability to deal quickly with an important and common skin disease that contains some danger to the patient and how to prevent its recurrence as well as the definition of two common skin diseases and how to diagnose and treat them	Urticaria, Lichen planus & Erythema multiforme	The same as week 1	The same as week 1
12	2	Introducing benign and malignant skin tumors and how to accurately differentiate between the two types while learning the rapid and immediate diagnosis and treatment of malignant tumors to prevent their spread and prevent their impact on the patient's life, as well as the ability to know some skin diseasesas important genetics and trying to prevent their occurrence with the ability to quickly control them and their complications when they occur	Skin tumours & Genodermatoses	The same as week 1	The same as week 1
13	2	Understand the close relationship between a wide range of skin diseases and the physical factors that cause them while trying to prevent the occurrence of these diseases by preventing or preventing their causes	Dermatoses resulting from physical factors	The same as week 1	The same as week 1
14	2	The ability to diagnose wide and important groups of Connective tissues problems skin diseases, the necessary diagnostic methods and how to treat these diseases	Connective tissues diseases	The same as week 1	The same as week 1
15	2	Recognizing the close link between skin diseases and other general diseases on one		The same as week 1	The same as week 1

		hand and the nails on the other hand, as well as recalling the many skin symptoms of many important internal diseases and the possibility of detecting them through a full examination of the skin and its appendages	Nail disorders & Cutaneous manifestations of systemic diseases		

12. Infrastructure:	
Required reading: · CORE TEXTS · COURSE MATERIALS · OTHER	- Fitzpatrick's colour atlas of Dermatology - Hunter's Clinical Dermatology - Habif clinical Dermatology
Special requirements (include for example workshops, periodicals, IT software, websites)	None
Community-based facilities (include for example, guest Lectures , internship , field studies)	None

13. Admissions:	
Pre-requisites	Passing the 4th year successfully
Minimum number of students	40
Maximum number of students	80

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

Academic Program Specification Form For The Academic

Universitiy: Alnahrain
College : Medicine
Department : medicine
Date Of Form Completion : 20/06/2021

Dean's Name

Date : / /

Sianature

Dean's Assistant For Scientific Affairs

Date : / /
Signature

Head of Department
Date : / /
Signature

Quality Assurance And University Performance Manager
Date : / /
Signature

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	College of Medicine – Alnahrain University
2. University Department/Centre	Department of Medicine
3. Course title/code	Infectious Diseases
4. Programme(s) to which it contributes	M.B.Ch.B.
5. Modes of Attendance offered	Electronic
6. Semester/Year	Third year – second semester
7. Number of hours tuition (total)	25

8. Date of production/revision of this specification	2021
9. Aims of the Course	Upon completion of this course the successful 3 rd year medical student at College of Medicine – Alnahrain University will be able to: - Demonstrate knowledge in the basic sciences pertinent to the infectious system - Explain the signs and symptoms of common infectious diseases presentations in terms of their underlying scientific principles - Explain the scientific principles of common infectious investigative techniques, and critique their appropriateness and results - Explain the scientific principles of common approaches to management of patients with infectious diseases.

10· Learning Outcomes, Teaching ,Learning and Assessment Methode

A. Knowledge and Understanding

A1 – describes ‘Infection’ in its strict sense as the situation where micro-organisms or other infectious agents become established in the host organism’s cells or tissues, replicate, cause harm and induce a host response.

A2 – recognizes if a microorganism survives and replicates on a mucosal surface without causing harm or illness, the host is said to be ‘colonised’ by that organism.

A3 – describe the microorganism which survives and lies dormant after invading host cells or tissues, infection is said to be ‘latent’.

A4 – identify the infectious agent, or the host response to it, is sufficient to cause illness or harm, then the process is termed an ‘infectious disease’.

A5 – recognizes most pathogens (infectious agents that can cause disease) are microorganisms but some are multicellular organisms.

A6 – applying the fact that the manifestations of disease may aid pathogen dissemination (e.g. diarrhoea, sneezing, coughing).

A7 – using the term ‘infection’ interchangeably with ‘infectious disease’ but not all infections are ‘infectious’, i.e. transmissible from person to person. Infectious diseases transmitted between hosts are called communicable diseases, whereas those caused by organisms that are already colonising the host are described as endogenous.

A8 – act upon the fact that despite dramatic advances in hygiene, immunisation and antimicrobial therapy, infectious agents still cause a massive burden of disease worldwide.

A9 emphasizing on the idea of that microorganisms are continually mutating and evolving; the emergence of new infectious agents and antimicrobial-resistant microorganisms is therefore inevitable.

A10 describes the biological and epidemiological principles of infectious diseases and the general approach to their prevention, diagnosis and treatment.

B. Subject-specific skills

B1 – diagnose different infectious diseases
B2 – relate the pathophysiology and prognosis of various infectious diseases
B3 – appraise a case study in PUO
B4 – analyze critical and non-critical clinical manifestation of infectious diseases.
B5 – evaluate the clinical manifestations and differential diagnosis for various infectious diseases
B6 – plan management lines of various clinical cases and critical infectious diseases

Teaching and Learning Methods

A combination of traditional lectures, interactive case discussions and brain storming sessions to enhance the education process

Assessment methods

The minimum requirement of a student to pass is to achieve at least 50% of the total 100 marks assigned for the course.

The marks are distributed as follows:
Daily quizzes and Homework (5%)
Midterm Exam (25%) as single best answer questions
Final Exam (70%) as – Single Best Answer 60 items

- Modified – Essay Questions (4 cases)

Students who fail to attain the 50% cut-off mark are required to re-sit for a second trial examination similar to the final one. Failing in the second trial entails the student to repeat the academic course.

C. Thinking Skills

C1 – analyze history of fever & other manifestations of infectious diseases
C2 – identify the general manifestation of infectious diseases
C3 – examine the targeted system locally (inspection, palpation, percussion and auscultation)
C4 – analyze various laboratory tests regarding infectious diseases clinically including critical conditions like sepsis & septic shock
C5 interpret the whole data including other aspect of social History like travel & geographic distribution of diseases other example is rural vs urban infectious disease

Teaching and Learning Methods

A combination of traditional lectures, interactive case discussions and brain storming sessions to enhance the education process

Assessment methods

The minimum requirement of a student to pass is to achieve at least 50% of the total 100 marks assigned for the course.

The marks are distributed as follows:

Daily quizzes and Homework(%5)
Midterm Exam (25%) as single best answer questions
Final Exam (70%) as – Single Best Answer 60 items

- Modified – Essay Questions (4 cases)

Students who fail to attain the 50% cut-off mark are required to re-sit for a second trial examination similar to the final one. Failing in the second trial entails the student to repeat the academic course.

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

By the end of the program the candidate should be able to
D1 – to acquire standard ethical behavior
D2 – to exemplify good manners and attitude
D3 – to communicate effectively with the patients, their families and all health care personnel
D4 – to be able to work in a team
D5 – to reflect proper infection control

11. Course Structure					
Assessment Method	Teaching Method	Unit/Module or Topic Title	ILOs	Hours	Week
Written exam	Lecture	Principles of infectious diseases infectious agents transmission & investigations	Demonstrate knowledge of the types of infectious agents Apply the knowledge of the ways of transmission of infective agents List the classifications of infective organism & the main effect on humans Discuss main investigations used to diagnose the disease	1	1
Written exam	Lecture	Principles of antimicrobial therapy & management of infectious diseases Classification of antibiotics and their mode of action	List the main modes of action of antibiotics Define the Principle of pharmacodynamics and pharmacokinetics in antibiotics Define empiric therapy and targeted therapy and their application in antimicrobial therapy	1	1

Written exam	Lecture	Fever I : Approach to febrile patients	Describe important steps in evaluating febrile patients Apply the knowledge in what to ask & examine febrile patients Recognize the differential diagnosis according to the specified clinical features Define PUO List the important causes of PUO Demonstrate what to send investigation to PUO patients Construct an approach in how to differentiate among different causes Describe factious fever & how to differentiate it from other causes of true fever	1	2
Written exam	Lecture	Fever II : Fever in the immunocompromised patients	Describe the definition of immunocompromised patients & causes of neutropenia List of commonest agents in catheter infections Recognize important clinical signs & symptoms List of important investigations Construct a management plan Identify different treatment regimens Appraise the importance of preventive measures of infection in immunocompromised & neutropenic patients	1	2
Written exam	Lecture	Severe inflammatory response syndrome (SIRS),sepsis & septic shock	Define SIRS Define Sepsis Classify Sepsis Recognize SIRS in a clinical scenario Discuss the management principles of sepsis List common complications of sepsis Choose proper antibiotics for the treatment of sepsis	1	3

Written exam	Lecture	Acute diarrhea & Food poisoning	List the different types of acute diarrhea and their causes Recognize food poisoning causes and their main clinical features Determine the severity criteria of acute diarrhea and patients needing hospital admission Recognize the main management steps of acute diarrhea List the main etiological factors of bloody diarrhea	1	3
Written exam	Lecture	Herpes virus infections HSV I ,II Chicken pox , Zoster, EBV, CMV infections	Classify herpes viruses ,Varicella ,EBV,CMV infections Discriminate the diagnostic methods of each presentation Assess the possibility of long term associations Construct a treatment plan for each type Design prevention methods	1	4
Written exam	Lecture	Mea	Define these childhood infections Differentiate between rubella and mumps Compare long term complications of these infections Elect treatment strategy for these infections Appraise the importance of vaccination	1	4

Written exam	Lecture	Influenza & emerging respiratory infections	Define the emerging viral respiratory diseases Classify Influenza according to types Appraise the epidemiology of influenza epidemics Apply knowledge in the management of influenza Support the value of prevention methods Differentiate influenza from SARS and MERS	1	5
Written exam	Lecture	Viral hemorrhagic fevers Rabies	List the causes of viral hemorrhagic fever Distinguish the variable epidemiology of viral hemorrhagic fevers Construct a differential diagnosis based on patient information Plan effective management strategy for VHF Define rabies Illustrate the variable presentation of rabies infection Demonstrate knowledge in the emergency treatment of rabies Formulate prevention strategy of the spread of disease	1	5
		HIV – I	Discuss basic epidemiological facts of HIV Describe HIV viral structure Sketch the Life cycle and pathogenesis Explain the routes of transmission Classify stages of HIV infection Choose the proper test for diagnosing HIV	1	6

Written exam	Lecture	HIV – II	List the aim of management of HIV patients Recognizes the different ART groups Discuss the treatment principles for HIV patients Describe the methods of prevention Recognize prevention and treatment of important opportunistic infections	1	6
Written exam	Lecture	Brucellosis & Enteric fevers	Identify the causative agents Define different organism species Explain transmission of the infection Discuss the pathogenesis List the people at risk to develop this infection Discuss the clinical manifestations Differentiate between different species by identifying different manifestations Classify the stages of the infection List important diagnostic tools Recognize the complications Discussing principles of treatment Listing different antibiotics active against the causative agents Explaining preventionprevention	1	7

Written exam	Lecture	Shigellosis & Cholera	Define shigellosis and list its main species Recognize shigellosis as an important causes of acute diarrhea, its mode of transmission and incubation period, and its main clinical features Identify the main management steps of shigellosis Recognize hemolytic uremic syndrome & reactive arthritis as an important complications of shigellosis Define cholera and its modes of transmission Recognize the main management lines of cholera List the complications of cholera Identity steps necessary for outbreaks of cholera	1	7
Written exam	Lecture	Bacterial meningitis	List the different causes of Meningitis Describe the clinical features of Meningitis Demonstrate knowledge in the differences between clinical features with regard to microbiologic etiology Formulate plan for management of Meningitis Assess severity of Meningitis Appraise Meningitis complications Choose the appropriate management plan Evaluate readiness for discharge Assess the need for antibiotic therapy in patients with Meningitis	1	8
Written exam	Lecture	Diphtheria, Anth	Define tetanus , diphtheria and anthrax and their clinical features Recognize the main management steps of these three diseases Determine the main clinical features of tetanus as an important tool in its diagnosis Identify the possibility of use of anthrax and diphtheria as biological weapons List the main clinical syndromes caused by diphtheria and its complications List the main clinical syndromes of anthrax Recognize the prophylactic steps in tetanus and diphtheria	1	8

		r a x & T e t a n u s			
Written exam	Lecture	Plague, Leptospirosis, Borelliosis	Define Plague and recognize it as a remerging infection Recognize the clinical syndromes of plague Identify the main management steps of plague Recognize the potential use of plague as a biological warfare agent List the different types of borrelia infection Define lyme disease and its main clinical syndromes Identify the main management steps of lyme disease Define leptospirosis and transmission modes List the main clinical features Identify the main management of leptospirosis	1	9
Written exam	Lecture	Non tuberculous mycobacterial infections (Leprosy)	Recognize the different types of mycobacteria and their respective diseases Define leprosy and its main clinical spectrum Identify the main step in diagnosing leprosy List the main drugs used in leprosy according to the clinical syndrome and the duration of treatment Recognize leprosy reactions and their management	1	9

Written exam	Lecture	Amoebiasis , Giardiasis	Define amoebiasis Review the complications of amoe-bic dysentery Differentiate amoebic dysentery from bacillary dysentery Appraise the importance of amoebic liver dysentery Elect treatment option for various presentations of amoebiasis Recognize giardiasis Distinguish giardiasis from other causes of watery diarrhea Manage giardia infection	1	10
Written exam	Lecture	Malaria & Babesiosis	Describe the causative bugs and its worldwide distribution Demonstrate the scientific principles of how this parasite has affected human micro-evolution List the signs and symptoms of the disease in relation to the parasite life cycle & stages of development Classify the management stages to the in-host stages of life cycle Recognize the importance of preven-tion Explain the principles of disease control as part of understanding the in-vector life cycle	1	10
Written exam	Lecture	Leishmanias is , Trypanosom iasis	Identify the susceptible population & list the types of bugs according to geographical distribution Describe the initial signs of infection & its potential development to dif-ferent clinical presentations Evaluate the disease in its different stages List differential diagnosis Recall investigations for diagnosis Elect treatment options according to the stages of the disease Identify principles of disease control & prevention	1	11

Written exam	Lecture	Sexually transmitted diseases (Syphilis & Gonorrhea)	Define syphilis & its causative agent List the stages of the disease Recognize people at risk Identify the clinical presentation of each stage Name investigations that specific & which are nonspecific to diagnosis List complications Elect treatment options according to the stage Define gonorrhea & its causative agent Identify clinical features Label treatment options	1	11
Written exam	Lecture	Infections caused by Nematodes	Define nematode infection Recognize the different classes of this infection Describe infection epidemiology & way of transmission Identify the clinical presentation according to stage of infection List the important steps for diagnosis for each infection Differentiate between different infections according to clinical & investigation tools Recall of different treatment options Identify the importance of disease preventions & role of hygiene	1	12
Written exam	Lecture	Schistosomiasis ,toxoplasmosis	Define the causative agents for toxoplasmosis & schistosomiasis Describe the life cycles of these infections List types of Schistosoma infections Identify clinical presentation Recognize diagnostic tools necessary to detect infection Recognize therapeutic options	1	12

Written exam	Lecture	Filariases & Tapeworms	Define the causative agents for Filariasis & Tapeworms Recall classification of these infections Describe the life cycles of these infections Identify clinical presentation List diagnostic tools necessary to detect infection Recognize therapeutic options	1	13

12. Infrastructure	
Required reading: · CORE TEXTS · COURSE MATERIALS · OTHER	1. Davidson's Principles and Practice of Medicine 2. Medscape website 3. Harrison's Principles of Internal Medicine
Special requirements (include for example workshops, periodicals, IT software, websites)	none
Community-based facilities (include for example, guest Lectures , internship , field studies)	

13. Admissions	
Pre-requisites	Passing the second year successfully
Minimum number of students	

Maximum number of students	

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

Academic Program Specification Form For The Academic

Universitiy: Alnahrain
College : Medicine
Department : Medicine / Psychiatry Clinical
Date Of Form Completion : 29/06/2021

Dean's Name

Date : / /

Signature

Dean's Assistant For Scientific Affairs

Date : / /

Signature

Head of Department

Date : / /

Signature

Quality Assurance And University Performance Manager
Date : / /
Signature

TEMPLATE FOR PROGRAMME SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

PROGRAMME SPECIFICATION

This Programme Specification provides a concise summary of the main features of the programme 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 is supported by a specification for each course that contributes to the programme.

1. Teaching Institution	
2. University Department/Centre	
3. Programme Title	
4. Title of Final Award	
5. Modes of Attendance offered	
6. Accreditation	
7. Other external influences	
8. Date of production/revision of this specification	
9. Aims of the Programme	

10. Learning Outcomes, Teaching, Learning and Assessment Methods
A. Knowledge and Understanding:
B. Subject-specific skills
Teaching and Learning Methods
Assessment methods
C. Thinking Skills
Teaching and Learning Methods
Assessment methods
Daily assessments, multiple choice questions, single best answers and essay questions

D. General and Transferable Skills (other skills relevant to employability and personal development)
Teaching and Learning Methods
Assessment Methods

11. Programme Structure				12. Awards and Credits
Level/Year	Course or Module Code	Course or Module Title	Credit rating	

13. Personal Development Planning
14. Admission criteria .
All Fifth year student who have passed the Fourth year
15. Key sources of information about the programme

Curriculum Skills Map

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

				Programme Learning Outcomes															
Year / Level	Course Code	Course Title	Core (C) 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**

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	College of Medicine – Alnahrain University
2. University Department/Centre	Department of Medicine
3. Course title/code	Psychiatry Theory
4. Programme(s) to which it contributes	M.B.Ch.B.
5. Modes of Attendance offered	Combined in person sessions and Electronic sessions
6. Semester/Year	Fifth year – First and second semesters
7. Number of hours tuition (total)	20
8. Date of production/revision of this specification	2020
9. Aims of the Course	

Upon completion of this course the 5th year medical student at College of Medicine – Alnahrain University will be able to:

1. **Evaluate psychiatric services in Iraq in comparison to developed countries**
2. **Develop skill to do the psychiatric interview with patients**
3. **Collect symptoms and eliciting of signs of common mental disorders**
4. **Synthesize clinical differential diagnosis of common clinical disorders**

5. **Plan management of common psychiatric disorders**
6. **Expect prognosis**

10· Learning Outcomes, Teaching ,Learning and Assessment Method

A- Knowledge and Understanding

A1 – Compare psychiatric services in Iraq with modern services
A2 – Recognize the epidemiology of psychiatric disorders
A3- Review key lines in psychiatric interview
A4- Recognize basic communication sills
A5 – Identify the presenting features of psychiatric disorders
A6 – Review management guidelines of psychiatric disorders at primary health care or within whatever specialty the graduate works in
A7 – Classify psychotropic medications
A8 – Explain action ,kinetics and adverse reactions of psychotherapeutic drugs
A9 – Evaluate the role of non-pharmacological psychological treatments

B. Subject-specific skills

B1 – Gather symptoms and take psychiatric history
B2 - Illicit mental signs and run mental state examination
B3- Practice basic communication sills
B4- Synthesis differential diagnosis for common clinical presentations
B5 – Apply psychopharmacological treatment lines of different psychiatric disorders
B6 – Evaluate role of psychotherapy in management diseases
B7 – Expect the prognosis of different psychiatric disorders

Teaching and Learning Methods

A combination of in person case discussions upon video case presentation and electronic session discussing shared video case presentation

Assessment methods

The minimum requirement of a student to pass is to achieve at least 50% of the total 100 marks assigned for the course.
The marks are distributed as follows:
Midterm Exam (30%) written short answer questions
Final Exam (70%) as – oral clinical exam

Students who fail to attain the 50% cut-off mark are required to re-sit for a second trial examination similar to the final one. Failing in the second trial entails the student to repeat the academic year.

C. Thinking Skills
C1 –Evaluate the epidemiology of psychiatric illness
C2 –Expect the role of primary health care in management of mental illness
C3 –Relate symptoms and signs into specific syndromes
C4- Apply pharmacological treatment specific to each clinical condition
C5- Relate types of psychotherapy to specific clinical conditions

E

A combination of in person case discussions upon video case presentation and electronic session discussing shared video case presentation

Assessment methods

The minimum requirement of a student to pass is to achieve at least 50% of the total 100 marks assigned for the course.
The marks are distributed as follows:
Midterm Exam (30%) as written short answer questions
Final Exam (70%) as – oral clinical exam
Students who fail to attain the 50% cut-off mark are required to re-sit for a second trial examination similar to the final one. Failing in the second trial entails the student to repeat the academic year.

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

By the end of the program the candidate should be able to
D1 – to acquire standard ethical behavior
D2 – to exemplify good manners and attitude
D3 – to communicate effectively with the patients, their families and all health care personnel
D4 – to be able to work in a team

11. Course Structure					
Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	2	1- Describe current psychiatric services in Iraq 2- Evaluate roe of primary health care in dealing with psychiatric disorders 3- Evaluate epidemiology of psychiatric disorders 4- Review psychiatric history and mental state examination	Introduction and Psychiatric interview	Electronic video based case discussion	Written exam and oral Exam
1	2	1- Describe symptoms and sighs 2- Evaluate physical presentations and their relation to medical disease 3- Plan Management 4- Differentiate different types of antidepressants 5- Value role o psychotherapy	Depression	In person video based case discussion	Written exam and oral Exam
1	3	1- Describe symptoms and sighs 2- Evaluate physical presentations and their relation to medical disease 3- 4- Plan Management	Anxiety	In person video based case discussion	Written exam and oral Exam
2	2	1- Describe symptoms and sighs 2- Evaluate management	Hysteria	Electronic video based case discussion	Written exam and oral Exam

		guidelines at causality room			
2	1	1- Describe symptoms and sighs 2- Evaluate physical presentations and their relation to medical disease 3- Plan Management	Somatic Symptom Disorder	Electronic video based case discussion	Written exam and oral Exam
2	2	1- Describe symptoms and signs 2- Differentiate positive and negative symptoms 3- Value role of antipsychotics in treatment 4- Differentiate atypical from conventional antipsychotics 5- Evaluate role of rehabilitation 6- Consider compulsory treatment	Schizophrenia	In person video based case discussion	Written exam and oral Exam
3	2	1- Describe symptoms and sighs 2- Manage acutely agitated patient 3- Evaluate role of mood stabilizers in management 4- Consider compulsory treatment	Mania	In person video based case discussion	Written exam and oral Exam
3	1	1- Describe symptoms and signs 2- Consider rug treatment options 3- Evaluate role of behavior therapy	Obsessive Compulsive Disorders	Electronic video based case discussion	Written exam and oral Exam
3	3	1- Classify addictive substances	Substance Abuse	In person video based case discussion	Written exam and oral Exam

		2- Define tolerance and withdrawal symptoms 3- Value role of biological reward mechanism 4- Differentiate different intoxication and withdrawal syndromes 5- Evaluate importance of motivational interviewing 6- Plan detoxification schedules 7- Consider non pharmacological interventions			Written exam and oral Exam
3	2	1- Assess suicide risk after survival of suicide attempt presented at casualty room 2- Decide proper action	Suicide	In person video based case discussion	Written exam and oral Exam
		1-			

		1-			

12. Infrastructure	
Required reading: · CORE TEXTS · COURSE MATERIALS · OTHER	1- Davidson's Principles and Practice of Medicine/Chapter of Psychiatry 2-Oxford Short Text of Psychiatry
Special requirements (include for example workshops, periodicals, IT software, websites)	None
Community-based facilities (include for example, guest Lectures , internship , field studies)	

13. Admissions	
Pre-requisites	Passing the Fourth year successfully
Minimum number of students	25
Maximum number of students	50

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

Academic Program Specification Form For The Academic

Universitiy: Alnahrain
College : Medicine
Department : Medicine / Psychiatry Theory
Date Of Form Completion : 27/06/2021

Dean's Name

Date : / /

Signature

Dean's Assistant For Scientific Affairs

Date : / /

Signature

Head of Department

Date : / /

Signature

Quality Assurance And University Performance Manager
Date : / /
Signature

TEMPLATE FOR PROGRAMME SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

PROGRAMME SPECIFICATION

This Programme Specification provides a concise summary of the main features of the programme 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 is supported by a specification for each course that contributes to the programme.

1. Teaching Institution	
2. University Department/Centre	
3. Programme Title	
4. Title of Final Award	
5. Modes of Attendance offered	
6. Accreditation	
7. Other external influences	
8. Date of production/revision of this specification	
9. Aims of the Programme	

10. Learning Outcomes, Teaching, Learning and Assessment Methods
A. Knowledge and Understanding:
B. Subject-specific skills
Teaching and Learning Methods
Assessment methods
C. Thinking Skills
Teaching and Learning Methods
Assessment methods
Daily assessments, multiple choice questions, single best answers and essay questions

D. General and Transferable Skills (other skills relevant to employability and personal development)
Teaching and Learning Methods
Assessment Methods

11. Programme Structure				12. Awards and Credits
Level/Year	Course or Module Code	Course or Module Title	Credit rating	

13. Personal Development Planning
14. Admission criteria.
All fifth year student who have passed the Fourth year
15. Key sources of information about the programme

Curriculum Skills Map

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

				Programme Learning Outcomes															
Year / Level	Course Code	Course Title	Core (C) 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**

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	College of Medicine – Alnahrain University
2. University Department/Centre	Department of Medicine
3. Course title/code	Psychiatry Theory
4. Programme(s) to which it contributes	M.B.Ch.B.
5. Modes of Attendance offered	Electronic
6. Semester/Year	Fifth year – First semester
7. Number of hours tuition (total)	30
8. Date of production/revision of this specification	2020
9. Aims of the Course	

Upon completion of this course the 4th year medical student at College of Medicine – Alnahrain University will be able to:

1. **Describe the concept of mental illness, identify the prevalence of mental disorders in community and in primary health care and recognize the demographic characteristics of mental illness.**
2. **Describe psychiatric services in Iraq and developed countries**
3. **Explain the psychopathology**
4. **Describe classification of mental disorders ,how this concept evolved over one century to th**

current concept of mental illness

5. Describe and explain psychiatric disorders that are commonly presented at casualty unit ,pr health care and psychiatric in and outpatient units with focus on stress , psychological traun common mental illness presented to other fields of medicine especially the primary health c services
6. Help students gain theoretical skill of thinking about and using of knowledge in clinical set for diagnosis and treatment of mental illness

Recognize key professional and ethical issues in psychiatry practical settings

10· Learning Outcomes, Teaching ,Learning and Assessment Method

A- Knowledge and Understanding

A1 – Evaluate the significance of psychiatry within all other medical specialties

A2 – Recognize the epidemiology of psychiatric disorders
A3 – Identify the presenting features of psychiatric disorders
A4 – Manage psychiatric disorders at primary health care or within whatever specialty the graduate works in
A5 – Classify psychotropic medications

A6 – Explain action ,kinetics and adverse reactions of psychotherapeutic drugs
A7 – Evaluate the role of non-pharmacological psychological treatments

B. Subject-specific skills

B1 – diagnose different Psychiatric disorders
B2 – relate psychopathological phenomena to syndrome specific symptoms and signs
B3 – demonstrate capacity to make provisional diagnosis and differential diagnosis
B4 – apply psychopharmacological treatment lines of different psychiatric disorders
B5 – evaluate role of psychotherapy in management diseases
B6 – Expect the prognosis of different psychiatric disorders

Teaching and Learning Methods

A combination of traditional lectures, interactive case discussions and brain storming sessions to enhance the education process

Assessment methods

The minimum requirement of a student to pass is to achieve at least 50% of the total 100 marks assigned for the course.
The marks are distributed as follows:
Midterm Exam (30%) as single best answer questions
Final Exam (70%) as – Single Best Answer 25 items
- True / false phrases 25 items
- Short answer questions 7 questions 5 optionally needed

Students who fail to attain the 50% cut-off mark are required to re-sit for a second trial examination similar to the final one. Failing in the second trial entails the student to repeat the academic year.

C. Thinking Skills

C1 – evaluate the epidemiology of psychiatric illness
C2 – expect the role of primary health care in management of mental illness
C3 – relate symptoms and signs into specific syndromes
C4- apply pharmacological treatment specific to each clinical condition
C5- relate types of psychotherapy to specific clinical conditions

Teaching and Learning Methods

A combination of traditional lectures, interactive case discussions and brain storming sessions to enhance the education process

Assessment methods

The minimum requirement of a student to pass is to achieve at least 50% of the total 100 marks assigned for the course.
The marks are distributed as follows:
Midterm Exam (30%) as single best answer questions
Final Exam (70%) as – Single Best Answer 25 items

- True / false phrases 25
- Short answer questions 5 out of 7 optional

Students who fail to attain the 50% cut-off mark are required to re-sit for a second trial examination similar to the final one. Failing in the second trial entails the student to repeat the academic year.

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

By the end of the program the candidate should be able to
D1 – to acquire standard ethical behavior
D2 – to exemplify good manners and attitude
D3 – to communicate effectively with the patients, their families and all health care personnel
D4 – to be able to work in a team

11. Course Structure					
Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	1	1- Describe in brief history of psychiatry and development of psychiatric services in Iraq and developed countries, 2- recognize epidemiology and the general demographic characteristics of mental illness	Introduction	Lecture	Written exam
1	1	Psychopathology I 1- Classify psychopathology 2- Define types of psychopathology 3- Define psychopathological phenomena in appearance and behavior and recognize disorders of each 4- Recognize disorders of speech Make relationship between these phenomena and clinical disorders	Psychopathology I	Lecture	Written exam
2	1	psychopathology of thinking 1- describing disorders of thought form and content 2- define disorders of thought form and content 3- relate each thought disorder to psychiatric disorders	Psychopathology II	Lecture	Written exam

2	1	psychopathology of mood or emotions and perception 1- divide disorders of mood 2- define specific disorders of mood 3- divide disorders of perception 4- define disorders of perception 5- relate each of these disorders to psychiatric disorders	Psychopathology III	Lecture	Written exam
3	1	1- divide disorders of cognitive functions 2- define attention ,concentration ,memory, intelligence and judgment 3- divide disorders of experience of self 4- define derealization ,depersonalization ,thought alienation and passivity and 5- define insight 6- relate these phenomena to psychiatric disorders	Psychopathology IV	Lecture	Written exam
3	1	1- define the concept of mental	Classification of mental illness:	Lecture	Written exam

		illness 2- evaluate its development from old classifications to international classification of disease 10th revision (ICD 10) and diagnostic and statistical manual 4th and fifth revisions (DSM IV and V) describe the current classifications used for mental illness			
4	1	1- Define major depression 2- Describe Epidemiology , presentation ,etiology, diagnosis of major depression 3- Recognize monoamine theory of depression	Mood disorders I Major depression	Lecture	Written exam
4	1	1- define anxiety and anxiety disorders 2- classify anxiety disorders (Generalized, panic disorder ,phobias) 3- recognize epidemiology , etiology , clinical picture of each disorder 4- evaluate the steps of treatment of each disorder	Anxiety disorders:	Lecture	Written exam

5	1	1- Describe management of major depression 2- Classify antidepressant drugs and describe their actions , kinetics and side effects 3- Recognize role of ECT, 4- Evaluate role of psychotherapy	Mood disorders II: Major depression management	Lecture	Written exam
5	1	1- define stress , 2- Divide stress coping techniques 3- Define coping and defense 4- Define Post traumatic stress disorders (PTSD) 5- Describe its prevalence , etiology, clinical features diagnosis and management	Stress:	Lecture	Written exam
6	1	1- define schizophrenia , 2- describe epidemiology, presentation ,etiology 3- recognize dopamine theory of schizophrenia	Schizophrenia I		
6	1	1- evaluate management lines , 2- classify antipsychotics , describe their action , kinetics and side effects 3- recognize Role of ECT , recognize rehabilitation ,	Schizophrenia I	Lecture	Written exam

		community vs. institutional care			
7	1	1 define somatic disorders 2 describe presentation , prevalence , diagnoses 3 recognize lines of management evaluate the role of cooperation with other medical fields	Somatic disorders:	Lecture	Written exam
7	1	1- Define adjustment disorders , 2- Recognize reaction to physical disease, acute , chronic and terminal illness.. 3- Define grief and bereavement 4- Describe pathological grief and its treatment	Adjustment reaction	Lecture	Written exam
8		1- Define bipolar disorders 2- Describe prevalence , types, presentation etiology, diagnosis and management , 3- Classify mood stabilizers , 4- Describe their kinetics, actions and risks	Mood disorders III Bipolar disorders:	Lecture	Written exam
8	1	1- Define dissociative (conversion) disorders 2- Evaluate history of hysteria 3- Describe , prevalence , presentation, criteria of diagnosis and	Dissociative (Conversion) Disorders	Lecture	Written exam

		4- Recognize management lines 5- Evaluate role of drugs , psychotherapy, and hypnosis			
9	1	1- Define OCD 2- Describe prevalence , presentation, etiology diagnoses 3- Recognize treatment role by drugs like clomipramine , SSRIs and behavior therapy 4- Recognize Impulse dyscontrol , trichotillomania and dysmorphophobia	Obsessive compulsive disorder OCD	Lecture	Written exam
9	1	1- Define delirium 2- Describe presentation, etiology and management. 3- Define dementia 4- Classify dementia 5- Describe prevalence, etiology, diagnosis and management of dementia.	Neurocognitive mental disorders:	Lecture	Written exam
10	1	1- Define anorexia nervosa and bulimia nervosa 2- Describe key	Eating and sleep disorders	Lecture	Written exam

		features, etiology and management 3- Classify and define sleep disorders 4- Describe key presenting features and lines of management of sleep disorders			
10	1	1- Define, Abuse, tolerance, dependence (psychological vs. physiological), withdrawal phenomenon. 2- Define alcoholism : Describe criteria of alcoholism , complications, investigations and management	Substance abuse and addictive disorders I	Lecture	Written exam
11	1	1- Define puerperal psychosis, postpartum depression and maternity blues: 2- Describe key features and management 3- Recognize premenstrual dysphoric disorder ; presentation and management	Puerperal psychiatric disorders:	Lecture	Written exam
11		1- Recognize addictive properties of benzodiazepines, narcotics ,CNS stimulants, marijuana , hallucinogens, solvents, anticholinergics. 2- Evaluate tendency for abuse or dependence	Substance abuse and addictive disorders II		

		physiological or psychological, withdrawal symptoms and management for each substance			
12	1	1- Assess suicide risk 2- Evaluate prevention of suicide 3- Recognize parasuicide and its management 4- Revise other emergencies like delirium , conversion and panic at casualty setting	Emergency psychiatric disorders		
12	1	1- Classify sexual disorders , , 2- Explain sexual dysfunction in light of sex stimulation response cycle 3- Evaluate the role Behavioral sex therapy	Sexual disorders:		
13	1	1- Classify childhood mental disorders. 2- Classify learning disability 3- Describe ,diagnosis and management of learning disability 4- Compare school refusal to truancy 5-	Child psychiatry I		
13	1		Personality disorders:		

		1- Classify personality disorders (clinical vs. dimensional) , 2- Describe presentation, diagnosis and management			
14	1	1- Define enuresis ,describe presentation , causes and management 2- Define attention deficit hyperactivity disorder ADHD , and describe key features and causes and management 3- Define conduct disorder and describe key features , causes and management 4- define autism , describe key features , causes and management	Child psychiatry II		
14	1	1- Define psychotherapy 2- Classify psychotherapy 3- Describe , supportive therapy , Counseling , behavior therapy	Psychotherapy I:		
15	1	1- classify and sub classify	Physical treatments		

		psychotropic medications 2- describe indications , actions , kinetics , side effects and dosage for each class			
15	1	1- describe cognitive behavior therapy CBT 2- Recognize uses of CBT 3- Describe psychodynamic (psychoanalytic) therapy 4- Recognize uses of analytic therapy	Psychotherapy II :		

12. Infrastructure	
Required reading: · CORE TEXTS · COURSE MATERIALS · OTHER	1- Davidson's Principles and Practice of Medicine/Chapter of Psychiatry 2-Oxford Short Text of Psychiatry
Special requirements (include for example workshops, periodicals, IT software, websites)	None
Community-based facilities (include for example, guest Lectures , internship , field studies)	

13. Admissions	
Pre-requisites	Passing the Fourth year successfully
Minimum number of students	25
Maximum number of students	50

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

Academic Program Specification Form For The Academic

Universitiy: Alnahrain
College : Medicine
Department : medicine
Date Of Form Completion : 20/06/2021

Dean ' s Name

Date : / /

Signature

Dean ' s Assistant For Scientific Affairs

Date : / /
Signature

Head of Department
Date : / /
Signature

Quality Assurance And University Performance Manager
Date : / /
Signature

TEMPLATE FOR PROGRAMME SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

PROGRAMME SPECIFICATION

This Programme Specification provides a concise summary of the main features of the programme 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 is supported by a specification for each course that contributes to the programme.

1. Teaching Institution	
2. University Department/Centre	
3. Programme Title	
4. Title of Final Award	
5. Modes of Attendance offered	
6. Accreditation	
7. Other external influences	
8. Date of production/revision of this specification	
9. Aims of the Programme	

10. Learning Outcomes, Teaching, Learning and Assessment Methods
A. Knowledge and Understanding:
B. Subject-specific skills
Teaching and Learning Methods
Assessment methods
C. Thinking Skills
Teaching and Learning Methods
Assessment methods
Daily assessments, multiple choice questions, single best answers and essay questions

D. General and Transferable Skills (other skills relevant to employability and personal development)
Teaching and Learning Methods
Assessment Methods

11. Programme Structure				12. Awards and Credits
Level/Year	Course or Module Code	Course or Module Title	Credit rating	

13. Personal Development Planning
14. Admission criteria .
All fourth year student who have passed the third year
15. Key sources of information about the programme
Davidson’s Principles and Practice of Medicine

Curriculum Skills Map																			
please tick in the relevant boxes where individual Programme Learning Outcomes are being assessed																			
				Programme Learning Outcomes															
Year / Level	Course Code	Course Title	Core (C) 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**

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	College of Medicine – Alnahrain University
2. University Department/Centre	Department of Medicine
3. Course title/code	Respiratory Medicine
4. Programme(s) to which it contributes	M.B.Ch.B.
5. Modes of Attendance offered	Electronic
6. Semester/Year	Fourth year – First semester
7. Number of hours tuition (total)	30
8. Date of production/revision of this specification	2020
9. Aims of the Course	

Upon completion of this course the 4th year medical student at College of Medicine – Alnahrain University will be able to:

- Demonstrate knowledge in the basic sciences pertinent to the respiratory system
- Explain the signs and symptoms of common respiratory presentations in terms of their underlying scientific principles
- Explain the scientific principles of common respiratory investigative techniques, and critique their appropriateness and results
- Explain the scientific principles of common approaches to management of patients with respiratory diseases.

10· Learning Outcomes, Teaching ,Learning and Assessment Methode
A- Knowledge and Understanding A1 – describe the detailed anatomy and histology of the respiratory system and .mediastinum A2 – identify the basic and advanced mechanisms of respiratory physiology and sleep physiology A3 – recognize the molecular basics of the respiratory system biochemical reactions A4 – describe various pharmacological and non-pharmacological therapeutic options in chest medicine A5 – recognize the microbiological basics and immunological basics of the respiratory system A6 – define various diseases in chest medicine including the newly-described diseases A7 – identify the etiology of various chest diseases and sleep-related respiratory disorders
B. Subject-specific skills B1 – diagnose different respiratory diseases B2 – relate the pathophysiology and prognosis of various respiratory diseases B3 – appraise a case study in chest and critical care pulmonary medicine B4 – analyze critical and non-critical medical chest problems and clinical manifestations B5 – evaluate the clinical manifestations and differential diagnosis of various respiratory diseases B6 – differentiate various radiological abnormalities of chest diseases B7 – interpret various pulmonary function tests and sleep study reports B8 – interpret arterial blood gases B9 – determine clinical decisions regarding various chest diseases and critical pulmonary diseases. B10 – plan management lines of various clinical cases and critical pulmonary diseases. B11 – distinguish the main pathological changes in bronchoscopic findings

including
interventional procedures.
B12 – implement research study in respiratory medicine
B13 – differentiate various radiological abnormalities of chest diseases

Teaching and Learning Methods

A combination of traditional lectures, interactive case discussions and brain storming sessions to enhance the education process

Assessment methods

The minimum requirement of a student to pass is to achieve at least 50% of the total 100 marks assigned for the course.
The marks are distributed as follows:
Daily quizzes and Homework (5%)
Midterm Exam (25%) as single best answer questions
Final Exam (70%) as – Single Best Answer 60 items
- Modified – Essay Questions (4 cases)

Students who fail to attain the 50% cut-off mark are required to re-sit for a second trial examination similar to the final one. Failing in the second trial entails the student to repeat the academic year.

C. Thinking Skills
C1 – analyze history of chest patients
C2 – demonstrate general examination of chest patients
C3 – examine the chest locally (inspection, palpation, percussion and auscultation)
C4 – diagnose various chest diseases clinically including critical respiratory diseases

Teaching and Learning Methods

A combination of traditional lectures, interactive case discussions and brain storming sessions to enhance the education process

Assessment methods

The minimum requirement of a student to pass is to achieve at least 50% of the total 100 marks assigned for the course.
The marks are distributed as follows:
Daily quizzes and Homework(%5)
Midterm Exam (25%) as single best answer questions
Final Exam (70%) as – Single Best Answer 60 items
- Modified – Essay Questions (4 cases)

Students who fail to attain the 50% cut-off mark are required to re-sit for a second trial examination similar to the final one. Failing in the second trial entails the student to repeat the academic year.

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

By the end of the program the candidate should be able to
D1 – to acquire standard ethical behavior
D2 – to exemplify good manners and attitude
D3 – to communicate effectively with the patients, their families and all health care personnel
D4 – to be able to work in a team
D5 – to reflect proper infection control

11. Course Structure					
Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	1	Demonstrate knowledge of the basic anatomy of the respiratory system Apply the knowledge of the physiological basis of ventilation and gas exchange in the assessment of patient complain List the lung defense mechanisms Predict the consequences of failing defense mechanisms of lung defences	**Clinically relevant anatomy and physiology of the respiratory system**	Lecture	Written exam
1	1	Analyze the patient complain Construct a differential diagnosis based on that complain Recognize the causes of different physical signs Plan the evaluation process according to clinical data	Presenting complains in patients with respiratory diseases Physical signs in patients with respiratory diseases	Lecture	Written exam
2	1	Choose the most appropriate investigation according to the clinical encounter Analyze the results of spirometry Construct a differential diagnosis based on parameters of lung function tests Differentiate the types of respiratory diseases based on the results of arterial blood gas analysis	Pulmonary function tests Arterial Blood Gas analysis	Lecture	Written exam

2	1	Analyze the result of exercise testing Recognize the different radiological terms Interpret the radiological signs Appraise the benefits of flexible	Exercise testing Radiology of the chest Flexible bronchoscopy	Lecture	Written exam
3	1	Recognize the different types of rhinitis Differentiate the treatment options for each type Classify sleep – related breathing disorders Distinguish obstructive sleep apnea from simple snoring Interpret the results of sleep study	Diseases of the upper airways: Allergic rhinitis Sleep – related disorders	Lecture	Written exam
3	2	Recall the immunological basis of asthma Illustrate the effect of extrinsic and intrinsic factors in the pathogenesis of asthma Appraise the epidemiology of asthma Compare the different Demonstrate ability to recognize clinical features of asthma Arrange acceptable diagnostic tests Organize management plan for patient with chronic asthma Evaluate patient response to asthma medications Communicate treatment options to patients and address their concerns Discriminate patient with acute severe asthma and life threatening asthma List treatment steps in the management of acute severe asthma	Asthma	Lecture	Written exam

4	2	Define COPD Recall the causes of COPD Illustrate the relation between environmental factors and the development of COPD Compare the different phenotypes of COPD Demonstrate ability to recognize the clinical features of COPD Arrange acceptable diagnostic test Organize management plan for patient with COPD Evaluate patient response to COPD medications Communicate treatment options to patients and address their concerns Discriminate patient with acute exacerbation of COPD List treatment steps in the management of acute exacerbation of COPD	COPD	Lecture	Written exam
5	1	List the causes of bronchiectasis Classify bronchiectasis according to etiology Formulate differential diagnosis based on patient history and examination findings Choose diagnostic studies to confirm the diagnosis Construct management plan for non-cystic fibrosis bronchiectasis Manage patient with cystic fibrosis	**Bronchiectasis**	Lecture	Written exam
6	2	Differentiate the different types of upper respiratory tract infections Assess the need for	**Infections of the respiratory system**	Lecture	Written exam

		antibiotic therapy in patients with URTi Define bronchitis Define pneumonia Differentiate between pneumonia and bronchitis List the different causes of pneumonia Describe the clinical features of pneumonia Demonstrate knowledge in the differences between clinical features with regard to microbiologic etiology Formulate plan for management of pneumonia Assess severity of pneumonia Appraise pneumonia complications Choose the appropriate management plan Evaluate readiness for discharge Define hospital acquired pneumonia Recognize the clinical features of hospital acquired pneumonia Choose the appropriate treatment of hospital acquired pneumonia Distinguish the clinical features of ventilator associated pneumonia Choose the appropriate investigations for ventilator associated pneumonia Elect the best treatment strategy for ventilator associated pneumonia Recognize the clinical features of aspiration pneumonia Elect the best treatment for aspiration			

		pneumonia Define lung abscess Assemble a differential diagnosis for lung abscess Distinguish between treatment options for lung abscess List clinically relevant fungal infections of the lung Classify the types of aspergillosis Demonstrate knowledge in the management of aspergillosis subtypes6			
7	2	Define tuberculosis Recognize the epidemiology of tuberculosis Analyze the resurgence of tuberculosis List the sites of tuberculous infections Compare the different presentations of tuberculosis Formulate differential diagnosis based on clinical presentations Construct a diagnostic plan for tuberculosis List the diagnostic tests for tuberculosis Analyze the results of diagnostic tests Formulate management plan for patients with tuberculosis Recall the side effects of antituberculous drugs Arrange follow-up plan after treatment Recognize complications of tuberculosis	**Tuberculous lung infections**	Lecture	Written exam
8	1	Define hydatid cyst Recognize clinical features of hydatid cyst Differentiate hydatid	**Parasitic Lung disease**		

		cyst from other cystic lung diseases Describe the diagnostic tests for hydatid cyst Manage hydatid cyst patient Demonstrate knowledge in the indications for surgical removal			
8	1	Recognize the importance of immune suppression on lung diseases. List the infectious diseases associated with HIV Differentiate between the different etiologies Formulate diagnostic plan Recall the diagnostic tests for pneumocystis jirovecci Manage patients with pneumocystis jirovecii Recognize the differences in presentation of tuberculosis patient between immunocompetent and immunosuppressed individuals Define Kaposi sarcoma Recognize the clinical features of Kaposi sarcoma	Lung involvement in immunosuppressed individuals	Lecture	Written exam
9	3	Define diffuse parenchymal lung diseases Recall the pathogenesis of DPLD List the causes of DPLD Classify DPLD Differentiate IPF from other causes of dyspnea Formulate diagnostic plan for suspected IPF Manage patient concern regarding IPF List treatment options	**Diffuse Parenchymal Lung Diseases**	Lecture	Written exam

		for IPF Identify patients at risk of HP Plan diagnostic approach for HP Discuss management principles of HP Recognize patient concerns regarding HP treatment List treatment options for HP Define sarcoidosis Identify sarcoidosis syndromes Recall extrapulmonary involvement in sarcoidosis Differentiate pulmonary sarcoidosis from pulmonary tuberculosis and lymphoma Organize diagnostic approach Analyze the indications for treatment in sarcoidosis List treatment options Define COP Recognize the presentation of COP Differentiate COP from non-resolving pneumonia and infections with tuberculous or fungal agents List the causes of BO Interpret the PFTs in patients with BO List the causes of pulmonary eosinophilia Formulate a diagnostic approach to reach a cause for pulmonary eosinophilia. Define Loffler's syndrome Recognize the associations of Loffler's			

		Recognize that lung involvement contribute to morbidity in connective tissue diseases Recognize the clinical features of LCH Recognize the clinical features of LAM Recognize the effects of asbestos on the lung Recognize the effects of silica on the lung List commonly used drugs with possible effect on the lung Manage patient concern regarding drug effects on the lung			
10	1	List the causes of pleural effusion Demonstrate knowledge of the mechanisms of fluid accumulation Recognize the clinical features of pleural effusion and its underlying cause Arrange diagnostic plan to confirm and identify the cause of pleural effusion Analyze the results of pleural fluid aspirate and formulate a differential diagnosis accordingly Organize treatment strategy for pleural effusion	Pleural Effusion	Lecture	Written exam
		Define pneumothorax Demonstrate knowledge of mechanism of pneumothorax Recognize the clinical features pf pneumothorax Differentiate life-threatening tension pneumothorax from simple pneumothorax Assess the need for	Pneumothorax	Lecture	Written exam

		treatment of tension pneumothorax Arrange diagnostic tests to confirm the diagnosis Manage patient with pneumothorax by chest tube Demonstrate knowledge in the indications of chest tube insertion Analyze the function of the chest tube			
10	1	Classify the primary lung tumors Recognize the etiologic causes of lung tumors Apply knowledge in recognizing the clinical features of lung tumors Formulate plan of investigation for the diagnosis of lung tumors List the sites of primary tumors with frequent lung metastasis Arrange a plan for the care of patient with non operable lung tumor Appraise patient concerns dealing with lung tumor diagnosis Arrange plan of investigations to determine the appropriate treatment .option List the contraindications for surgical treatment of lung tumors Recognize the surgical options for treatment of lung tumors Predict the postoperative complications after thoracotomy Demonstrate knowledge in the management of postoperative thoracotomy patient Recognize early and late	**Tumors of the Lung**	Lecture	Written exam

		complications of thoracotomy and illustrate the immediate management plan for them. List the non-surgical treatment options			
11	1	Recognize the indications of surgery in benign lung diseases	**Surgical options for the management of benign lung lesions (Lung abscess, tuberculosis, empyema, bronchiectasis)**	Lecture	Written exam
11	1	Recognize diseases of the chest wall Evaluate patient with diseases of the chest wall List the surgical options for treatment of chest wall deformities	**Diseases of the chest wall**	Lecture	Written exam
12	1	Recognize diseases of the diaphragm Evaluate patient with diseases of the diaphragm List the surgical options for treatment of diaphragmatic hernia	**Diseases of the diaphragm**	Lecture	Written exam
12	1	Recognize the conditions that require lung transplant as part of management List the types of lung transplantation Recall the complications of lung transplantation	**Lung Transplant**	Lecture	Written exam
13	2	Define respiratory failure Recall the types of respiratory failure Compare the different types of respiratory failure List the causes of respiratory	**Critical Care in respiratory medicine**	Lecture	Written exam

		Describe the clinical features of respiratory failure Arrange diagnostic plan to evaluate patient with respiratory failure Evaluate treatment options for the different types of respiratory failure Assess patient response to initial treatment Address patient concerns Define ARDS Recognize the pathogenesis of ARDS List the causes of ARDS Compare ARDS to cardiac pulmonary edema Evaluate the clinical features that occur with ARDS Formulate a diagnostic plan for ARDS Predict the outcome of ARDS Organize treatment plan for ARDS List the low flow oxygen delivery devices Differentiate the clinical conditions that need low flow delivery devices List the high flow oxygen delivery devices Analyze the conditions that require high flow devices			

12. Infrastructure	
Required reading: · CORE TEXTS · COURSE MATERIALS · OTHER	.1 Davidson's Principles and Practice of Medicine .2 Bailey and Love's textbook of surgery .3 Harrison's Principles of Internal Medicine

Special requirements (include for example workshops, periodicals, IT software, websites)	none
Community-based facilities (include for example, guest Lectures , internship , field studies)	

13. Admissions	
Pre-requisites	Passing the third year successfully
Minimum number of students	25
Maximum number of students	50

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

Academic Program Specification Form For The Academic

University: Alnahrainn
College: Medicine
Department: medicine
Date Of Form Completion: 20/06/2021

Dean's Name
/ / :Date
Signature

Dean's Assistant For Scientific Affairs
/ / :Date
Signature

Head of Department
/ / :Date
Signature

Quality Assurance And University Performance Manager
/ / :Date
Signature

TEMPLATE FOR PROGRAM SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAM REVIEW

PROGRAMMESPECIFICATION

This Program Specification provides a concise summary of the main features of the program 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 is supported by a specification for each course that contributes to the program.

1. Teaching Institution	Al_Nahrain College of Medicine
2. University Department/Center	Department of Internal Medicine
3. Program Title	Rheumatology
4. Title of Final Award	M.BChB
5. Modes of Attendance offered	Electronic
6. Accreditation	
7. Other external influences	
8. Date of production/revision of this specification	2021
Aims of the Program .9	

Learning Outcomes, Teaching, Learning and Assessment Methods .10
A. Knowledge and Understanding:
B. Subject-specific skills
Teaching and Learning Methods
Assessment methods
C. Thinking Skills
Teaching and Learning Methods
Assessment methods
Daily assessments, multiple choice questions, single best answers and essay questions

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

Teaching and Learning Methods

Assessment Methods

Program Structure .11				Awards and Credits .12
Level/Year	Course or Module Code	Course or Module Title	Credit rating	

Personal Development Planning .13
14. Admission criteria .
All fifth year student who have passed the fourth year
Key sources of information about the program .15
Davidson’s Principles and Practice of Medicine

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 (C) 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**

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 program specification.

1. Teaching Institution	College of Medicine – Alnahrain University
2. University Department/Center	Department of Medicine
3. Course title/code	Rheumatology
4. Program(s) to which it contributes	M.B.Ch.B.
5. Modes of Attendance offered	Electronic
6. Semester/Year	Fifth year – second semester
7. Number of hours tuition (total)	30
8. Date of production/revision of this specification	2021

9. Aims of the Course

Upon completion of this course the 5th year medical student at College of Medicine – Alnahrain University will be able to:

- Demonstrate knowledge in the basic sciences pertinent to the Connective tissues and joints.
- Explain the signs and symptoms of common regional and Rheumatic presentations in terms of their underlying scientific principles
- Explain the scientific principles of common Autoimmune and imaging investigative techniques, and critique their appropriateness and results
- Explain the scientific principles of common approaches to management of patients

with autoimmune Rheumatic diseases and regional complaints.

Learning Outcomes, Teaching ,Learning and Assessment Method ·10
A- Knowledge and Understanding A1 – describe the basic anatomy and histology of the joint and connective .tissues .A2 – identify the basic physiology of various connective tissues A3 – recognize the molecular basics of the body response to external stimuli A4 – describe various pharmacological and non-pharmacological therapeutic options in autoimmune medicine A5 – recognize the microbiological basics and immunological basics of the .autoimmune connective tissue diseases A6 – define various diseases in Rheumatology .A7 – identify the etiology of various Rheumatic and regional complaints
B. Subject-specific skills B1 – diagnose different autoimmune diseases diseases B2 – relate the psychophysiology and prognosis of various autoimmune Rheumatic diseases B3 – appraise a case study in chest and critical care Rheumatology B4 – analyze critical and non-critical medical joint problems and clinical manifestations and regional B5 – evaluate the clinical manifestations and differential diagnosis of various rheumatic complaints B6 – differentiate various radiological abnormalities of joint diseases, B7 – interpret various Autoimmune tests and imaging studies. B8 – interpret serological tests B9 – determine clinical decisions regarding various Rheumatic diseases and life threatening complaints B10 – plan management lines of various clinical cases and critical Rheumatic diseases. B11 – distinguish the main pathological changes in patients receiving biological drugs. B12 – implement research study in Rheumatology. B13 – differentiate various radiological abnormalities of autoimmune rheumatic diseases.
Teaching and Learning Methods
A combination of traditional lectures, interactive case discussions and brain

storming sessions to enhance the education process

Assessment methods

The minimum requirement of a student to pass is to achieve at least 50% of the total 100 marks assigned for the course.
The marks are distributed as follows:
Daily quizzes and Homework + oral exam (5%)
Midterm Exam (25%) as single best answer questions
Final Exam (70%) as – Single Best Answer 60 items
- Modified – Essay Questions (4 cases)

Students who fail to attain the 50% cut-off mark are required to re-sit for a second trial examination similar to the final one. Failing in the second trial entails the student to repeat the academic year.

C. Thinking Skills
C1 – analyze history of patients with new and recurrent rheumatic complaints
C2 – demonstrate general examination of Rheumatic patients
C3 – examine the joints and limbs locally (look, feel, move, and special tests)
C4 – diagnose various Rheumatic diseases clinically

Teaching and Learning Methods

A combination of traditional lectures, interactive case discussions and brain storming sessions to enhance the education process

Assessment methods

The minimum requirement of a student to pass is to achieve at least 50% of the total 100 marks assigned for the course.
The marks are distributed as follows:
Daily quizzes and Homework (5%)
Midterm Exam (25%) as single best answer questions
Final Exam (70%) as – Single Best Answer 60 items
- Modified – Essay Questions (4 cases)

Students who fail to attain the 50% cut-off mark are required to re-sit for a second trial examination similar to the final one. Failing in the second trial entails the student to repeat the academic year.

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

By the end of the program the candidate should be able to
D1 – to acquire standard ethical behavior
D2 – to exemplify good manners and attitude
D3 – to communicate effectively with the patients, their families and all health care personnel
D4 – to be able to work in a team
D5 – to reflect proper infection control

Course Structure .11					
Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	1	Demonstrate knowledge of the basic anatomy of the back, neck and joints. Apply the knowledge of the physiological basis of degenerative and inflammatory diseases in the assessment of patient complaints List the causes if back pain, be aware of the red flags of back pain, be familiar with the management plan of back pain both simple and life threatening, recognize mimickers in clinical and imaging studies.	**Approach to back and Neck pains**	Lecture	Written exam
2	1	Know the basic etiology andpathophysiologyy of Rheumatoid arthritis, Recognize the patterns and clinical presentations of RA, know the extent of extra articular manifestations of RA, understand the main laboratory findings ,in patients with RA	Rheumatoid Arthritis	Lecture	Written exam
3	1	Know the differential diagnosis of RA, construct treatment plan for RA patients including a step wise approach, know the n	Rheumatoid Arthritis	Lecture	Written exam

		main drugs (DMARD, and their major contraindications and side effects, understand the complications of RA and the leading causes of death.			
4	1	Recognize The many types of CTD, understand the basic etiology and pathophysiology of different presentations of SLE know the basic autoimmunity in SLE know the types of Lupus and the Classification criterias	Connective tissue disease part 1	Lecture	Written exam
5	1	Know the many presentation of Lupus: mild and severe ,Lupus nephritis pathology and lupus cerebritis, recognize and recall the possible DDX of Lupus complaints, and treatment of the different presentations of lupus and discuss the disease course and complications	CTD part 1: SLE	Lecture	Written exam
6	1	Know the types of CTD: Scleroderma, Autoimmune myopathies, Sjogrens syndrome, Overlap syndromes and Mixed CTD, their basic aetiologies and clinical charachr=taristics, main presentationapresentatio nas and leading serological markers as well as treatment plans for each disease and the possible life threatening presentation of each	CTD part 2	Lecture	Written exam
7	1	Know the classification of Vessels, classification of vasculitideis, clues to	**Vasculitidi es**	Lecture	Written exam

		vasculitides, different patterns of presentations, diagnstic appraches and treatment strategies for large, medium and small vessel vasculitidies, and recognize the greater mimickers and how to spot them			
8	1	Present clinical scenarios of different presentations of vasculitidies and how to approach them	**vasculitidies**	Lecture	Written exam
9	1	Know the types of SPA, basic etiologies of the types, common clinical features of all SPA, specific types of SPA and their characteristics, differential diagnosis, diagnostic approach and basic therapeutic targets and drugs as well as the main complications of .the diseases	**Seronegati ve Spondylop athies**	Lecture	Written exam
10	1	Know the types of Crystals, the pathophysiology and causes of crystal formations, the clinical presentations of the types of crystals, how to diagnose them, how to exclude infection and how to treat and the therapeutic targets.	**Crystal associated disease**		
11	1	Demonstrate the basic etiology and pathophysiology of OA, the many types and clinical presentations of OA, the fate of the joints, Diagnosis dDx, and therapeutic options including the controversial supplement, injections and surgeries in the types of OA of joints	Osteoarthritis	Lecture	Written exam

12	1	Know the etiology and pathophysiology of the main types of MBD, their clinical types, presentations, clinical manifestations, ddx, diagnostic methods and preventive /therapeutic options	**Metabolic Bone diseases**	Lecture	Written exam
13	1	Know the basics of Rehabilitation medicine, the types of rehabilitation, the types of the physical modalities and exsercizes, their indications and .contraindications		Lecture	Written exam

Infrastructure .12	
Required reading: · CORE TEXTS · COURSE MATERIALS OTHER ·	.1 Davidson's Principles and Practice of Medicine .2 Bailey and Love's textbook of surgery .3 Harrison's Principles of Internal Medicine
Special requirements (include for example workshops, periodicals, IT software, websites)	none
Community-based facilities (include for example, guest Lectures , internship , field (studies	

Admissions .13	
Pre-requisites	Passing the fourth year successfully
Minimum number of students	25

Maximum number of students	50