1. The COM Undergraduate Medical Curriculum was reformed in 2009.
2. The reformed curriculum is a system-oriented, student-centered, integrated, and community-oriented curriculum.
3. The curriculum is 5 years long and is divided into basic science years (year 1 & 2), a preclinical year (third year) and clinical years (year 4 &5).
4. The first 2 years are divided into a system-oriented blocks that covers multiple-disciplines: Anatomy, Physiology, Pharmacology, Biochemistry, Genetics, Microbiology, Immunology and Pathology.
5. During these 2 years, the students are introduced to Basic Clinical Skills as part of the vertical integration of the curriculum.
6. The students also learn by Small Group Discussion sessions that involve a clinical scenario and adopt the problem-based learning strategy.
7. Practical sessions are also included to introduce students to practical skills.
8. The third year is the preclinical year, during which students cover different aspects of medicine and surgery in addition to research and community medicine.
9. The clinical years are divided into rotations through the clinical departments: surgery, medicine, paediatrics, obstetrics & gynaecology, ophthalmology, ENT, psychiatry, Orthopedics, Anaesthesia and orthopaedics.
10. The College of Medicine undergraduate curriculum is an Outcome-Based Curriculum.
11. The outcome is a statement of what a learner is expected to know, understand and be able to do at the end of a period of learning (module/unit or course leading to a qualification) and how that learning is to be demonstrated. Learning outcomes are important for an institution program or a course.
12. The curriculum is an integrated curriculum that uses a wide range of teaching and learning including:

- problem-based learning cases,
- small group discussion,
- practical classes,
- e-learning,
- student-led seminars and simulation to enhance understanding and hands-on training.

GRADUATION REQUIREMENTS

To be awarded the MBBS (**B**achelor of **M**edicine, **B**achelor of **S**urgery) degree, a student must satisfy the following requirements:
A total of two hundred and ninteen **219 credit hours** specified as follows:

- 33 credit hours: Preparatory Year for Health Colleges courses.
- 186 credit hours: required courses in the College of Medicines and successfully complete the Internship Year.

List of Required Courses

SN	Course Code	Course Title	Course Code (Arabic)	Course Title (Arabic)	Level	Credit Hours
Peparatory Year 1st semester						
1	CT 140	IT Skills	140 تقن	مهارات الحاسب	1	3
2	MATH140	Introduction to Mathematics	140 ريض	مقدمة في الرياضيات	1	2
3	MC 140	Communication Skills	140 علم	مهارات الاتصال	1	2
4	ENGL140	ENGLISH (1)	140 نجم	اللغة الانجليزية (1)	1	8
Peparatory Year 2nd semester						
5	STAT145	Biostatestics	145 احص	الإحصاء الحيوي	2	2
6	CHEM145	Organic Chemistry For Health Sciences	145 كيم	مقدمة في الكيمياء العضوية	2	2
7	ENGL145	English For Medical Purposes	145 نجم	اللغة الإنجليزية للأغراض الصحية	2	8
8	ZOOL145	General Zoology	145 حين	علم الأحياء	2	3
9	PHYS145	General Physics	145 فيز	فيزياء عامة	2	3
Year One						
10	REN 114	Renal Block	114 كلى	الجهاز البولي والكلى	3	4
11	IC 105	Human Rights	105 سلم	حقوق الإنسان	3	2
12	FOU 111	Foundation Block	111 اسس	مقدمة في العلوم الطبية الأساسية	3	10
13	IC 108	Current Issues	108 سلم	قضايا معاصرة	3	2
14	SKI 101	Learning Skills	101 مهر	مهارات التعلم	3	2
15	CAR 113	Cardiovascular Block	113 قلب	الجهاز الدوري والقلب	3	7
16	MUS 115	Musculoskeletal Block	115 حرك	الجهاز الحركي	3	6
17	RES 112	Respiratory Block	112 صدر	الجهاز التنفسي	3	4
Year Two						
18	GNT 223	Gastrointestinal & Nutrition Block	223 هضم	الجهاز الهضمي والتغذية	4	4
19	NEUR 222	Neuropsychiatry Block	222 عصب	الجهاز العصبي و النفسي	4	12
20	IC 106	Medical Jurisprudence	106 سلم	الفقه الطبي	4	2
21	ENDO 225	Endocrine Block	225 غدد	جهاز الغدد الصماء	4	6
22	REPR 224	Reproduction Block	224 نسل	الجهاز التناسلي	4	6

SN	Course Code	Course Title	Course Code (Arabic)	Course Title (Arabic)	Level	Credit Hours
Peparatory Year 1st semester						
1	CT 140	IT Skills	140 تقن	مهارات الحاسب	1	3
2	MATH140	Introduction to Mathematics	140 ريض	مقدمة في الرياضيات	1	2
3	MC 140	Communication Skills	140 علم	مهارات الاتصال	1	2
4	ENGL140	ENGLISH (1)	140 نجم	اللغة الانجليزية (1)	1	8
Peparatory Year 2nd semester						
5	STAT145	Biostatestics	145 احص	الإحصاء الحيوي	2	2
6	CHEM145	Organic Chemistry For Health Sciences	145 كيم	مقدمة في الكيمياء العضوية	2	2
7	ENGL145	English For Medical Purposes	145 نجم	اللغة الإنجليزية للأغراض الصحية	2	8
8	ZOOL145	General Zoology	145 حين	علم الأحياء	2	3
9	PHYS145	General Physics	145 فيز	فيزياء عامة	2	3
Year One						
10	REN 114	Renal Block	114 كلى	الجهاز البولي والكلى	3	4
11	IC 105	Human Rights	105 سلم	حقوق الإنسان	3	2
12	FOU 111	Foundation Block	111 اسس	مقدمة في العلوم الطبية الأساسية	3	10
13	IC 108	Current Issues	108 سلم	قضايا معاصرة	3	2
14	SKI 101	Learning Skills	101 مهر	مهارات التعلم	3	2
15	CAR 113	Cardiovascular Block	113 قلب	الجهاز الدوري والقلب	3	7
16	MUS 115	Musculoskeletal Block	115 حرك	الجهاز الحركي	3	6
17	RES 112	Respiratory Block	112 صدر	الجهاز التنفسي	3	4
Year Two						
18	GNT 223	Gastrointestinal & Nutrition Block	223 هضم	الجهاز الهضمي والتغذية	4	4

19	NEUR 222	Neuropsychiatry Block	222 عصب	الجهاز العصبي و النفسي	4	12
20	IC 106	Medical Jurisprudence	106 سلم	الفقه الطبي	4	2
21	ENDO 225	Endocrine Block	225 غدد	جهاز الغدد الصماء	4	6
22	REPR 224	Reproduction Block	224 نسل	الجهاز التناسلي	4	6
23	SKI 221	Medical Professionalism	221 مهر	المهنية الطبية	4	6
24	IC 107	Professional Ethics	107 سلم	اخلاقيات المهنة	4	2
Year Three						
25	COMM311	Community Medicine	311 طبع	علم طب المجتمع	5	4
26	FORM321	Forensic Medical & Toxicology	321 شرع	الطب الشرعي والسموم	5	2
27	MED 341	Internal Medicine	341 طبب	الامراض الباطنية	5	10
28	SURG351	General Surgery	351 جرح	الامراض الجراحية	5	8
29	MEDI395	Muslim Medical Ethics	395 كطب	اخلاقيات الطبيب المسلم	5	3
30	MEDI 305	Medical Research & Informatics	305 كطب	البحوث الطبية	5	6
31	RAD 366	Radiology & Medical Imaging	366 شاع	التشخيص الشعاعي	5	2
32	MEDI 301	Medical Informatics	301 معط	المعلوماتية الطبية	5	2
Year Four						
33	SURG452	Orthopaedic Surgery	452 جرح	جراحة العظام	6	6
34	OPT 432	Ophthalmology	432 عين	امراض العيون	6	4
35	PME 462	Psychiatry	462 طنف	الطب النفسي	6	4
36	COMM421	Primary Care	421 طبع	الرعاية الصحية الاولية	6	6
37	ELC 101	Elective Studies 1	101 ختر	علوم طبية إختيارية 1	6	3
38	ORL 432	Otorhinolaryngology	432 اذن	جراحة الأنف والأذن والحنجرة وجراحة الرأس والرقبة	6	4

39	SKD 394	Dermatology	جلد 394	الأمراض الجلدية العامة	6	2
40	MEDI 045	Basic Anaesthesia & Resuscitation	كطب 045	أساسيات التخدير	6	4
41	GYN 482	Obstetrics & Gynaecology	نسا 482	النساء والولادة	6	8
Year Five						
42	SURG 453	General Surgery Practice	جرح 453	ممارسة الجراحة العامة	7	10
43	MED 442	Internal Medicine	طبب 442	ممارسة الطب الباطني	7	10
44	ELC 102	Elective Studies 2	ختر 102	علوم طبية إختيارية 2	7	3
45	PED 474	Paediatrics	طفل 474	طب الأطفال	7	10
Internship						
46	MED 999	Internship Training	طبب 999	تدريب امتياز	8	0

Academic Departments

1. Department of Medical Education
2. Department of Anatomy
3. Department of Physiology
4. Department of Pathology (clustered with Microbiology and Biochemistry)
5. Department of Family and Community Medicine
6. Department of Cardiac Science
7. Department of Anesthesiology
8. Department of Intensive Care
9. Department of Emergency Medicine
10. Department of Orthopaedics
11. Department of Dermatology
12. Department of Radiology and Medical Imaging
13. Department of Psychiatry

14. Department of Internal Medicine

15. Department of Surgery

16. Department of Otorhinolaryngology

17. Department of Ophthalmology

18. Department of Paediatrics

19. Department of Obstetrics & Gynecology

Courses Description

Year One

Code: SKLL 101

Course Title: Learning Skills

Credit hours: 2 (2+0)

Course description

The learning skills are critical determinants of success in a learner-centered model. It is important for medical students to develop the sound learning habits which will help them to successfully continue in their professional life. These habits include the identification of their learning needs, selection of what to learn as well as reflect on their learning experience. It is essential to familiarize students with the university environment and enable them reach to an optimum level of the attitude, knowledge and skill required for the profession.

This "learning skills" course aimed to facilitate the process of the transition of the students into academic teaching and learning culture through specific learning skills and self motivation to succeed in their academic studies.

Specific Main Objectives:

By the end of this course students should be able to:

- Be familiar with university, academic organization and student support systems.
- Outline the educational approach at the College.

- Utilize available resources effectively.
- Identify principles of adult learning.
- Identify different learning styles, and explain their own styles.
- Understand and improve skills of reading for understanding and comprehension.
- Explain the concepts, principles and practice the process of learning in small group.
- Explain group dynamics and behavior that affect the group process.
- Create learning objectives that are reasonable and obtainable for his learning plan.
- Take responsibility about their learning as an independent learner.
- Enumerate the principles of evidence-based practice and demonstrate the skill of information gathering and management.
- Manage their time and set his priorities.
- Communicate effectively with patients and their peers
- Demonstrate professional behavior expected from medical students.
- Recognize symptoms of stress and develop the ability to handle their stress and anxiety appropriately.
- Describe the different methods of self, peers, tutors and program evaluation.

Code: FOU 111

Course Title: Foundation Block

Credit hours: 10 (6+4)

Course description

This course concentrates on understanding the anatomical structures and functions of the human cell.

It encourages students to examine the major structure and function of the body systems in the human body in an integrated way (study of Anatomy, Physiology, Histology, and Immunology).

It provides students the opportunity to understand the micro-organisms causing diseases such as Bacteria, Viruses and Fungi (Microbiology).

The course is designed in a way that it encourages student-centered learning, integration of basic and clinical sciences together with bio-psychosocial concepts. It enforces the application of

knowledge learned in real life situations, critical analysis, and use of a wide range of resources to accommodate the different needs of the students. The teaching and learning model used is based on up-to-date theories on adult learning, and focuses on the development of defined competencies, skills, attitudes, and the ability of students to apply knowledge, and demonstrate effective communication skills.

Course Main Objectives

By the end of this course, students should be able to:

- Realize the structure and design of the medical curriculum and use the support available in the college in their transition to the university system.
- Describe the relationship between the ultra-structure of the different components of the cell and their functions.
- Describe the anatomical structure and functions of the different body systems and integrate knowledge from anatomy, histology, physiology, biochemistry, pathology and Immunology.
- Identify major microorganisms affecting the human body and discuss their pathological effects.
- Develop effective communication skills and explore biopsychosocial, and ethical issues in their assessment.
- Use a wide range of resources in researching their learning issues and developing their self-directed skills.
- Use clinical cases to apply knowledge learnt, generate hypotheses, build an enquiry plan, and use evidence to refine their hypotheses, and justify their views.
- Practice learning communication skills and early clinical skills with simulated patients in the clinical skills laboratory.

Code: MUS115

Course Title: Musculoskeletal Block

Credit hours: 6 (4+2)

Course description

This course concentrates on understanding the anatomical structures and functions of the Musculoskeletal system with particular emphasis on correlating the macro and ultra-structure

(Anatomical and Histology) with physiological functions. It provides students with the opportunity to study major diseases affecting the Musculoskeletal system, their pathology, pathogenesis, clinical picture, and management modalities. It enforces the application of knowledge learned in real life situations, critical analysis, and the use of a wide range of resources to accommodate the different needs of the students. The teaching and learning model used is based on up-to-date theories on adult learning and focuses on development of defined competencies, skills, attitudes, and the ability of students to apply knowledge, and demonstrate effective communication skills.

Course Main Objectives

By the end of the course, students should be able to:

- Understand the relationship between the anatomical structures of different components of the Musculoskeletal system and their functions.
- Discuss the pathology, microbiology, pathogenesis, and factors contributing to the development of most common diseases affecting the musculoskeletal system.
- Use basic sciences to explain patient's signs and symptoms, interpret investigation results, and provide justifications for their views.
- Develop communication skills and explore psychosocial, and ethical issues in their assessment.
- Use clinical cases to apply knowledge learned, generate hypotheses, build an inquiry plan, and use evidence to refine their hypotheses, and justify their views.
- Design a management plan, and understand the pharmacological basis of drugs used in the management of common diseases affecting the musculoskeletal system.

Code: CAR 113

Course Title: Cardiovascular Block

Credit hours: 7 (5+2)

Course description

This course concentrates on understanding the anatomical structures and functions of the Cardiovascular system with particular emphasis on correlating the macro and ultra-structure (Anatomical and Histology) with physiological functions. It provides students with the opportunity to study major diseases affecting the Cardiovascular system, their pathology, pathogenesis,

clinical picture, and management modalities. The course is designed in a way that it encourages student centered learning, integration of basic and clinical sciences together with bio-psychosocial concepts. It enforces the application of knowledge learned in real life situations, critical analysis, and the use of a wide range of resources to accommodate the different needs of the students. The teaching and learning model used is based on up-to-date theories on adult learning and focuses on development of defined competencies, skills, attitudes, and the ability of students to apply knowledge, and demonstrate effective communication skills.

Course Main Objectives

By the end of the course, the students should be able to:

- Describe the relationship between the anatomical structures of different components of the cardiovascular system and their functions.
- Discuss the pathology, microbiology, pathogenesis, and factors contributing to the development of most common diseases affecting the cardiovascular system.
- Use basic sciences to explain patient's signs and symptoms, interpret investigation results, and provide justifications for their views.
- Develop effective communication skills and explore psychosocial, and ethical issues in their assessment of patients.
- Use clinical cases to apply knowledge learnt, generate hypotheses, build an enquiry plan, and use evidence to refine their hypotheses, and justify their views.
- Design a management plan, and understand the pharmacological basis of drugs used in the management of common diseases affecting the cardiovascular system.
- Demonstrate skills in early clinical examination in relation to the cardiovascular system.
- Practice communication skills using case scenarios related to the cardiovascular system with the help of simulated patients.

Code: RES 112

Course Title: Respiratory Block

Credit hours: 4 (3+1)

Course description

This course concentrates on understanding the anatomical structures and functions of the Respiratory system with particular emphasis on correlating the macro and ultra-structure (Anatomical and Histology) with physiological functions. It provides students with the opportunity to study major diseases affecting the Respiratory system, their pathology, pathogenesis, clinical picture, and management modalities. It enforces the application of knowledge learned in real life situations, critical analysis, and the use of a wide range of resources to accommodate the different needs of the students. The teaching and learning model used is based on up-to-date theories on adult learning and focuses on development of defined competencies, skills, attitudes, and the ability of students to apply knowledge, and demonstrate effective communication skills.

Course Main Objectives

By the end of the course, the students should be able to:

- Discuss the relationship between the anatomical structures of different components of the respiratory system and their functions.
- Discuss the pathology, microbiology, pathogenesis, and factors contributing to the development of common diseases affecting the respiratory system.
- Use basic sciences to explain patient's signs and symptoms, interpret investigation results, and provide justifications for their views.
- Develop communication skills and explore biopsychosocial, and ethical issues in their assessment.
- Use clinical cases to apply knowledge learnt, generate hypotheses, build an enquiry plan, and use evidence to refine their hypotheses, and justify their views.
- Design a management plan, and understand the pharmacological basis of drugs used in the management of common diseases affecting the respiratory system.
- Demonstrate the clinical skills related to the respiratory system examination including lung auscultation, spirometry and other systematic examinations.
- Enhance their communication skills, and practice with the help of simulation patients to improve their communication in relation to respiratory case scenarios.

Code: REN114

Course Title: Renal Block

Credit hours: 4 (3+1)

Course description

This course concentrates on understanding the anatomical structures and functions of the Renal system with particular emphasis on correlating the macro and ultra-structure (Anatomical and Histology) with physiological functions. It provides students with the opportunity to study major diseases affecting the Renal system, their pathology, pathogenesis, clinical picture, and management modalities. It enforces the application of knowledge learned in real life situations, critical analysis, and the use of a wide range of resources to accommodate the different needs of the students. The teaching and learning model used is based on up-to-date theories on adult learning and focuses on development of defined competencies, skills, attitudes, and the ability of students to apply knowledge, and demonstrate effective communication skills.

Course Main Objectives

By the end of the course, the students should be able to:

- Discuss the relationship between the anatomical structures of different components of the renal system and their functions.
- Discuss the pathology, microbiology, pathogenesis, and factors contributing to the development of common diseases affecting the respiratory system.
- Use basic sciences to explain patient's signs and symptoms, interpret investigation results, and provide justifications for their views.
- Develop communication skills and explore biopsychosocial, and ethical issues in their assessment.
- Use clinical cases to apply knowledge learnt, generate hypotheses, build an enquiry plan, and use evidence to refine their hypotheses, and justify their views.
- Design a brief management plan, and understand the pharmacological basis of drugs used in the management of common diseases affecting the renal system.
- Demonstrate the clinical skills related to the renal system examination.
- Enhance their communication skills, and practice with the help of simulation patients to improve their communication in relation to renal case scenarios

Year Two

Code: NEUR 222

Course Title: Neuropsychiatry Block

Credit hours: 12 (8+4)

Course description

This course concentrates on understanding the anatomical structures and functions of the Nervous system with special emphasis on correlating the macro and ultra-structure including [Anatomical and Histological] with physiological functions. It provides students with the opportunity to study the major diseases affecting the Nervous system, their etiology, pathogenesis, clinical picture and management modalities. It enforces the application of knowledge learned in real life situations, critical analysis, and the use of a wide range of resources to accommodate the different needs of the students. The teaching and learning model used is based on up-to-date theories on adult learning and focuses on development of defined competencies, skills, attitudes, and the ability of students to apply knowledge, and demonstrate effective communication skills.

Course Objectives

By the end of the course, the students should be able to:

- Describe the relationship between the anatomical structures of different parts of the nervous system and their functions.
- Discuss the pathology, microbiology, pathogenesis, and factors contributing to the development of most common diseases affecting the nervous system.
- Use basic sciences to explain patient's signs and symptoms, interpret investigation results, and provide justifications for their views.
- Develop effective communication skills and explore bio-psychosocial, and ethical issues in their assessment of patient's case.
- Use clinical cases to apply knowledge learned, generate hypotheses, build an inquiry plan, and use evidence to refine their hypotheses, and justify their views.
- Design a management plan, and understand the pharmacological basis of drugs used in the management of common diseases affecting the nervous system.

- Master skills about professional development and professionalism in relation to the nervous system block .
- Develop skills in early clinical examination in relation to the nervous block.
- Practice communication skills using case scenarios related to the nervous system with the help of simulated patients.

Code: GNT 223

Course Title: Gastrointestinal & Nutrition Block

Credit hours: 4 (3+1)

Course description

This course concentrates on understanding the anatomical structures and functions of the Gastrointestinal system with particular emphasis on correlating the macro and ultra-structure (Anatomical and Histology) with physiological functions. It provides students with the opportunity to study major diseases affecting the Gastrointestinal system, their pathology, pathogenesis, clinical picture, and management modalities. It enforces the application of knowledge learned in real life situations, critical analysis, and the use of a wide range of resources to accommodate the different needs of the students. The teaching and learning model used is based on up-to-date theories on adult learning and focuses on development of defined competencies, skills, attitudes, and the ability of students to apply knowledge, and demonstrate effective communication skills.

Course Main Objectives

By the end of the course, the students should be able to:

- Correlate the relationship between the anatomical structures of the gastrointestinal and hepatobiliary systems and their functions.
- Use knowledge learnt from basic sciences to interpret symptoms, signs and investigation results of patients with common gastrointestinal and hepatobiliary disorders.
- Understand the pathology, microbiology and the pathogenesis of the common disorders affecting the gastrointestinal and hepatobiliary systems.
- Discuss the pharmacological basis of drugs used in the management of patients with common gastrointestinal and hepatobiliary diseases.

- Demonstrate knowledge of epidemiology and preventive approaches in common gastrointestinal and hepatobiliary disorders.
- Discuss epidemiological parameters such as body mass index and discuss the macro and micro nutritional requirements of a population.
- Discuss normal haemopoiesis and the functions of different haemopoietic cells.
- Discuss common disorders affecting the haemopoietic system, with particular emphasis on anaemia.
- Understand the role of haemoglobin, types of haemoglobin, and iron metabolism.
- Develop communication and professional skills at the level of undergraduate medical students.
- Demonstrate early clinical skills in relation to the gastrointestinal system (e.g., examination of the gastrointestinal system on simulated patients).

Code: ENDO 225

Course Title: Endocrine Block

Credit hours: 6 (4+2)

Course description

This course concentrates on understanding the anatomical structures and functions of the Endocrine system with particular emphasis on correlating the macro and ultra-structure (Anatomical and Histology) with physiological functions. It provides students with the opportunity to study major diseases affecting the Endocrine system, their pathology, pathogenesis, clinical picture, and management modalities. It enforces the application of knowledge learned in real life situations, critical analysis, and the use of a wide range of resources to accommodate the different needs of the students. The teaching and learning model used is based on up-to-date theories on adult learning and focuses on development of defined competencies, skills, attitudes, and the ability of students to apply knowledge, and demonstrate effective communication skills.

Course Main Objectives

By the end of the course, the students should be able to:

- Correlate the histological structures of the endocrine glands (pituitary, thyroid, parathyroid, adrenal and the endocrine pancreas) and their functions.

- Consolidating the role of hypothalamic-pituitary axis in the regulation of thyroid, adrenal and gonads functions.
- Understand the biochemical structure, synthesis, metabolism and mechanism of action of hormones produced by the pituitary, thyroid, parathyroid, adrenal and the endocrine pancreas.
- Understand the pathology and pathogenesis and key clinical features of the pituitary, thyroid, parathyroid and adrenal gland disorders.
- Use knowledge learned from basic sciences to interpret the symptoms, signs and the investigation results of patients with common endocrine diseases.
- Understand the pathology and pathogenesis of type 1 diabetes mellitus, and understand the role of obesity and metabolic syndrome in the pathogenesis of type 2 diabetes mellitus.
- Discuss the role of the parathyroid hormones and vitamin D in calcium metabolism and outline the mechanisms underlying calcium homeostasis.
- Understand the pharmacological basis of drugs commonly used in the management of patients with endocrine disorders.
- Discuss the role of life style and patient education in the prevention of chronic diseases such as obesity and diabetes.
- Discuss the impact of chronic diseases such as diabetes in an adolescent on the patient and family.

Code: REPRO 224

Course Title: Reproduction Block

Credit hours: 6 (4+2)

Course description

This course concentrates on understanding the anatomical structures and functions of the Reproductive system with particular emphasis on correlating the macro and ultra-structure (Anatomical and Histology) with physiological functions. It provides students with the opportunity to study major diseases affecting the Reproductive system, their pathology, pathogenesis, clinical picture, and management modalities. It enforces the application of knowledge learned in real life situations, critical analysis, and the use of a wide range of resources to accommodate the different needs of the students. The teaching and learning model used is based on up-to-date theories on

adult learning and focuses on development of defined competencies, skills, attitudes, and the ability of students to apply knowledge, and demonstrate effective communication skills.

Course Main Objectives

By the end of the course, the students should be able to:

- Understand the anatomical structures of the male and female reproductive system and correlate structures to their functions.
- Understand the pathology, microbiology and pathogenesis of common diseases of the male and female reproductive system.
- Understand the physiological role of the hypothalamic-pituitary-gonadal axis in the male and female reproductive systems.
- Understand the physiology of puberty and associated psychological changes.
- Understand the anatomy and physiology of the breast and its normal development and the pathogenesis of breast cancer.
- Understand the microbiology and immunology of sexually transmitted diseases with an emphasis on common diseases and AIDS.
- Discuss the physiology of normal pregnancy and lactation with a focus on antenatal care.
- Use knowledge from basic sciences to interpret symptoms, signs and investigation of patients with common diseases affecting the reproductive system.
- Discuss the pharmacological basis of drugs used in the treatment common diseases affecting the reproductive system and the use of pharmacological and non-pharmacological methods in contraception.
- Discuss the development of the normal embryo and factors that can affect the development of congenital anomalies with particular emphasis on drugs, infections and environmental factors.
- Develop their early clinical skills in relation to the reproduction block (e.g., vaginal examination and breast examination), and their communication skills with simulated patients (e.g., antenatal care, use of contraceptives).

Code: SKI 221

Course Title: Medical Professionalism

Credit hours: 6 (6+0)

Course description

In this course students will study the basic concepts of medical professionalism, the definitions of professionalism and the key elements and attributes of professionalism. The course will not just provide students with theoretical basis but also with practical aspects in relation to professional attitude, ethical and legal issues, effective communication, and the qualities of standards required for the professionalism.

Course Main Objectives

- Inspire the students to grasp the concept of professionalism.
- Define core elements of the profession in relation to professionalism.
- Recognize the evolution of medical professionalism and its dynamics.
- Deepen their religious understanding of the moral dimensions of the practice of medicine and providing patients' care
- Motivate the students into acquiring and understanding the values and attributes related to professionalism.
- Incorporate the values and attributes of professionalism into their day-to-day practices.
- Realize the cost of being unprofessional and the legal aspects inherent to the medical profession.
- Guide the students into acting and behaving along the guidelines of professionalism.
- Promote professional & ethical behaviour that addresses the interests of the patients and the society and hence the professional code of practice.
- Learn from errors highlighted in practice and critically analyze, and resolve professional challenges that may arise in their practice and health care.
- Demonstrate sensitivity and responsiveness towards others in their day-to-day practices and show the ability to work with others in a professional way regardless to their cultural background, beliefs, age, gender, or disability.
- Enhance their interpersonal skills, and their communication skills and demonstrate the ability to communicate with respect and adhere to professional values.
- Demonstrate the ability to adhere to professional values in their decision-making and when facing challenges that necessitate actions.

Year Three

Code: COMM 311

Course Title: Community Medicine

Credit hours: 4 (4+0)

Course description

This course will explore the principles and methods of epidemiology, demography, and vital statistics. It will also provide students with the oppurtunity biostatistics, epidemiology of selected diseases, nutrition health education, mental health and occupational health.

Course Main Objectives

By the end of this course, the students should be able to:

- Understand the process of infectious diseases transmission and the procedures for prevention and control.
- Identify major health problems in KSA and their risk factors.
- Know the principles of preventive medicine.

Code: FORM 321

Course Title: Forensic Medicine & Toxicology

Credit hours: 2 (2+0)

Course description

This course deals with the principles of Forensic Medicine and the study of Toxicology. The main emphasis is on recent advances in the area of Forensic Medicine, how to deal with uncertainty, mechanical injuries, fire arm injuries, burns, mechanical asphyxiation and poisoning. This course also encourages students to discuss medical ethics and law in relation to Forensic Medicine.

Course Main Objectives

By the end of the course, the students should be able to:

- Describe principles and Medico-legal (ML) aspects of personal identification of living and dead human bodies.
- Estimate age for living and dead bodies.
- Demonstrate how to diagnose death, PM changes.
- Explain and define ML aspects of wounds, asphyxia, pregnancy, delivery, abortion and write a ML report.
- Identify the criminal cases – report on sexual offences – first aid in poisoning.

Code: MED 341

Course Title: Internal Medicine

Credit hours: 10(6+4)

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Course description

The main objective of the course is to master how to take medical history from patients, and demonstrating the ability to perform medical examination elicit clinical signs, interpret findings, make a differential diagnosis, and order appropriate investigations. The course also aim of enhancing students skills in interpreting investigation results, referring their hypothesis (diagnosis) and their basis of evidence collect and develop a management plan for their patients. The course also aims at enhancing student's communication skills and prepare them to join the medical work force.

Course Main Objectives

By the end of the course, the students should be able to:

- Show an understanding of the etiological factors, clinical pictures, diagnosis of the following topics in internal medicine: Cardiorespiratory, gastrointestinal, hepatobiliary, haematology, nervous systems, renal, musculoskeletal systems, and endocrine diseases'.
- Understand the role of environmental factors, genetics, and biopsychosocial factors in the development of diseases.

- Demonstrate the ability to conduct a focused medical history and perform targeted physical examination appropriate to the patient's chief complaint(s).
- Develop skills in basic clinical procedures by using mannequin-based simulation modalities and high- fidelity standardized patients.
- Interpret patient's symptoms and clinical signs using the knowledge and skills learnt (in year 1and 2) to reach the diagnosis.
- Interpret the knowledge and skills learnt from professionalism sessions (in year 2), and personal development skills (in year 1) and medical ethics (in year 3) to strengthen his/her communication and self-development.
- Understand the use of different investigations tool in confirming the final diagnosis, assessing the location, as well as assessing the stage/severity of the disease and any associated complications.
- Demonstrate the ability to apply appropriate clinical pharmacological principles in the selection of drugs to treat common internal medicine problems.
- Apply principles of evidence-based medicine in making diagnostic and management decisions in internal medicine.
- Acquire critical analysis skills including researching the literature, looking for supportive evidence, making decisions on the basis of available evidence.
- Practice communication skills (with peers, patients, and members of the health team) and use interpersonal skills in their day-to-day learning activities such as bed-side teaching, task-based learning, and out-patient clinics.
- Utilize self-directed learning skills and enhance their abilities to work on their learning tasks and report back to their small group members.
- Demonstrate the ability to become accountable/responsible for their learning sessions in regard to attendance, contribution to discussion, working with peers, and getting the best out of each teaching/learning activities.

Code: CMED 301

Course Title: Medical Informatics

Credit hours: 2 (1+1)

Course description

This course is designed to provide the students with knowledge about advanced computer technology and its application in the healthcare field. It will also introduce the students to technological innovations in healthcare informatics such as clinical decision-support systems, medical expert systems, telemedicine, telepharmacy, multimedia, and internet health applications. The course will emphasize the use of computerized health information resources, patient-related programs and data manipulation software for application in profession-related tasks.

Course Main Objectives

- Provide students with basic up-to-date and relevant knowledge and skills that is required in Medical Informatics.
- Students will learn how data, information and knowledge is created, managed and processed using Information and Communication Technology.
- Introduce the students to electronic health record, computerized physician order entry, imaging, and Internet health applications.

Code: MEDI 395

Course Title: Muslim Medical Ethics

Credit hours: 3(3+0)

Course description

The course aims to develop knowledge of the ethical aspects of medical jurisprudence and the provisions relating to medical practices and the medical profession of medical students from an Islamic perspective.

Course Main Objectives

By the end of the course, the students should be able to:

- Identify non-ethical practices through discussion and socializing.
- Classify non-ethical practices according to their importance and priorities.

- Analyze difficult medical situation and look for solution from scientific references.
- Explain the ethics of medical practices from Islamic perspective.
- Summarize rights and duties of physician and other health professional from Islamic
- List the importance principles of research ethics from Islamic perspective.
- Summarize rules and regulation of medical practice in Saudi Arabia
- Answer patients' questions about health and disease from Islamic perspective.
- Break bad news to patients.
- Explain to patients and their relatives the Islamic rules related to recent medical practices.
- Present a lecture to his/her colleagues to encourage them to adopt Islamic ethics.
- Demonstrate enthusiasm to improve ethical aspect and its application in work environment..
- Demonstrate enthusiasm towards professional responsibilities.

Code: MEDI 305

Course Title: Medical Research

Credit hours: 6(0+6)

Course description

This course introduces students the key principles of scientific research. Students are required to plan, construct a research proposal, conduct a small research project, collect data, analyze them and write a paper using the guidelines and the format provided. Students with the help of their supervisors might choose an important health problem to research. They may also use data available in the hospital system as the basis for their research. Therefore, the course aims at promoting medical research, critical analysis, independent learning, and integration of research with medical practice. It also aims at enhancing student's skills in the area of epidemiology, and biostatistics. The course comprises a series of lectures that aim at preparing students for the research component.

Course Main Objectives

By the end of the course, the students should be able to:

- Discuss the basic principles of research, research methods, ethics in conducting research, how to read and write a scientific paper, and how to critically analyze a research article.
- Apply the principles of scientific research.
- Prepare the ethical approval submission for a research project and be able to address comments and issues raised by the ethical approval committee and resubmit their article.
- Apply, under supervision, the different procedures in research including identifying a problem, formatting a research question, generating hypotheses, searching the literature, collecting data, selecting valid and reliable methods, critically assess the findings and interpreting results, constructing figures and tables, and writing the research report.
- Practice, under supervision, how to present their research work and respond to questions.
- Use statistical methods in their research - how to select a particular statistical method, how to use SPSS program in conducting statistics, and how to interpret statistical reports.
- Practice, under supervision, how to write an abstract about their work and submit it to local or international conferences.
- Write, under supervision, a research article for publication in a scientific journal.
- Practice, under supervision, how to respond to peer-reviewers' comments and resubmit their work.

Code: RAD 366

Course Title: Radiology

Credit hours: 2 (0+2)

Course description

In this course, the students are taught the basic imaging principles, radiological techniques, radiological anatomy, and radiological findings in common diseases. It also provides students with the opportunity to understand the roles of various imaging modalities including Plain Film, Contrast Studies, Ultrasound, Computed Tomography, Magnetic Resonance Imaging, Isotope Imaging, Angiography and the use of interventional radiology in patient's management.

Course Main Objectives

By the end of the course, the students should be able to:

- Identify radiological anatomy for different body parts.
- Differentiate between normal and abnormal radiographs.
- Compare different advanced diagnosis modalities, and their application.
- Select and recommend the appropriate radiological examination for the common clinical problems that need imaging evaluation.
- Recognize the imaging findings in common diseases on the different imaging modalities.
- Correlate the imaging findings with the clinical findings.
- Explain and discuss the steps of radiological examinations including patient preparation.
- Identify the indications and contraindications for the different radiological examinations.

Code: SURG 351

Course Title: General Surgery

Credit hours: 8 (4+4)

Course description

Graduate students will be able to demonstrate the clinical skills and methods required to clinically define common surgical diseases and will have the ability to adopt a problem solving approach to common surgical diseases.

Course Main Objectives

By the end of the course, students should be able to:

- Acquire the knowledge about the symptoms and signs of common surgical diseases.
- Formulate a reasonable differential diagnosis of surgical problems.
- Demonstrate the appropriate ways to identify physical signs of common surgical diseases.
- Perform, record, present, and discuss in detail skills of history taking of common surgical diseases.

- Demonstrate appropriate skills to conduct comprehensive clinical examination of surgical patients.
- Adopt self learning techniques in particular with the use of the teaching laboratory aids.

Year Four

Code: MEDI 045

Course Title: Basic Anesthesia & Resuscitation

Credit hours: 4 (1+3)

Course description

To graduate medical students having the basic knowledge & clinical skills to deal with the peri-anaesthetic measures for simple surgical procedures.

Course Main Objectives

By the end of this course, students should able to do:

- Know the role of anaesthetist in preoperative assessment and the implications of pre-existing disease for the patient who is to undergo anaesthesia.
- Describe the basic airway and circulatory management in patients under anaesthesia including resuscitative measures as well as post-operative care.
- Recognize the clinical application of physiology and pharmacology in anaesthesia.
- Demonstrate the basic role of emergency room settings and how to manage common emergency room cases.
- Manipulate some anaesthesia-related problems and their management.
- Acquire some clinical skills in patient assessments and to demonstrate competence in the performance of basic technical procedures related to anesthesia practice.

Code: SKD 394

Course Title: Dermatology

Credit hours: 2 (0+2)

Course description

The course aims at enabling medical students to identify diseases affecting the skin and to describe them appropriately. It also helps them to formulate a decent differential diagnoses and have to manage them properly. To achieve a maximum benefit of any course, a development committee is assigned to revisit the curriculum each year and make the necessary changes.

Course Main Objectives

- Recognize the basics of skin anatomy.
- Describe the primary and secondary skin lesions.
- Recognize the most common skin diseases and to manage them.
- Be familiar with the diagnostic laboratory tests pertinent to dermatology.
- Formulate decent differential diagnoses of skin diseases.
- Obtain an over view of the skin manifestations of systemic diseases.
- Manage appropriately the different emergencies in dermatologic diseases.

Code: COMM 421

Course Title: Primary Care

Credit hours: 6 (2+4)

Course description

The aim of this course is to understand the role of primary health care (PHIC) in patient care e.g., its philosophy and features; its methods and its holistic approach to patient care. Also the course aims at enhancing students skills to become effective communication, and competent in the area of primary health care with regards to knowledge, and attitude of skills required from medicine graduates.

Course Main Objectives

By the end of this course, students should able to do:

- Adopt a scientific approach to family medicine practice.
- Demonstrate an aptitude in patient-centered care and evidence based management.
- Participate in a community oriented practice activities.
- Communicate effectively with colleagues, patients, and their families, and practice within a multi-professional team.
- Deliver the ethical and professional behavior in health practice.
- Take a responsibility for own personal and professional development.

Code: ORL 432

Course Title: Otorhinolaryngology

Credit hours: 4 (1+3)

Course description

This course concentrates on the diseases of ear, nose, throat and head and neck, its definitions, anatomy, physiology, etiology, pathology, investigations, complications and different modalities of treatment.

The course is taught through interactive lectures, tutorials and clinical activities including Clinic, Bed Side Teachings, Pre and Post -Operative Rounds, Operative sessions, Communication and Swallowing Disorders Unit (Speech) and Audiology sessions.

Course Main Objectives

- Memorize the gross anatomy and physiology of external, middle and inner ear, nose and paranasal sinuses, Eustachian tube, head and neck, thyroid, larynx, facial nerve, pharynx and deep neck spaces, adenoid and tonsils, swallowing, hearing and balance.
- Recognize pathophysiology, assessment and management of the following diseases/disorders
    - Eustachian tube dysfunction,
    - acute and chronic otitis media,
    - middle ear effusion, congenital of external ear, otitis externa,

- congenital anomalies of the nose, acute and chronic rhinitis, allergic and non-allergic rhinitis, nasal polyps,
- vertigo (acute & chr. labyrinthitis, Meniere's disease, vestibular neuritis, positional vertigo,etc), investigation of a dizzy patient.
- conductive hearing loss (causes and management), (otosclerosis in brief),Sensorineural hearing loss (congenital and acquired) presbyacusis, management of SHNL (in brief) {hearing aids and cochlear implant in brief} mixed hearing loss,
- otosclerosis, presbyacusis,
- neck masses, thyroid nodule, thyroid cancer, salivary gland infection and tumors, tumor of the oral cavity, Leukoplakia,
- tumor of pharynx, nasopharungeal cancer, oro and hypopharyngeal cancer, laryngeal papillomatosis,
- swallowing disorders, GERD,
- voice disorders, speech disorders,
- trauma to auricle, traumatic perforation of tympanic membrane, foreign body in the ear, fracture temporal bone,
- nose trauma, fracture nasal bone, septal hematoma and perforation, foreign body in the nose, blow-out fracture of the nose,
- foreign body in the pharynx and esophagus, foreign body in the trachio-bronchial tree, congenital diseases of the larynx, laryngomalacia, laryngeal web, subglotic stenosis and hemangioma, benign swelling of larynx,
- fungal sinusitis, sinusitis (classification, management & with special attention to orbital complications, investigation & general treatment), turbinate hypertrophy, nasal operations(FESS, septoplasty, turbinate surgery) ,
- adenoid & tonsil diseases, complication-pharyngeal diseases (Quinsy, para&retropharyngeal, Ludwig's angina).
- adenotonsillectomy (indications,compl&mngt), differential diagnosis of membraneous tonsil.
- causes of airway obstruction (congenital and acquired), and signs and symptoms.
- Facial nerve: anatomy (course and branches), causes of facial palsy (including Bell's palsy , middle ear complication, traumatic and Ramsy Hunt's syndrome)

- investigations of airway obstruction, radiology illustration, medical and surgical treatment, operations (indication, procedure and complication) tracheostomy, cricothyroidectormy, intubation, choanal atresia repair.
- Parotid mass, Submandibular gland mass, Hyperparathyroidism, Thyroglossal duct cyst, Branchial arch anomalies, Laryngocele, Hemangioma, Vascular malformation, Teratoma, Ranula, SCC nasal cavity, Nasopharyngeal carcinoma, Oropharyngeal carcinoma, Hypopharyngeal carcinoma, Cancer larynx, Lymphoma.

- Demonstrate proficiency in history taking of ENT patients.
- Perform basic assessment using common tools in ENT clinic
- Interpret imagery test results related to ENT such as X-ray, CT-scan, MRI

Code: OPT 432

Course Title: Ophthalmology

Credit hours: 4 (1+3)

Course description

The aim of this course is to gain an overview of Ophthalmology Specialty. Also it aims to help the students to recognize the common eye diseases in our country and worldwide and their management and to develop the knowledge and skills for using common ophthalmic instrument necessary for the general practitioner to do general ophthalmic assessment.

Course Main Objectives

- Know the basic ophthalmic anatomy and physiology.
- Recognize assessment and management of common ophthalmic diseases.
- Know how to handle common ophthalmic emergencies.
- Handle simple ophthalmic diagnostic instruments.
- Be aware of common ophthalmic operations.
- Communicate ethically with patients and their families.
- Work in group with colleagues.

- Use different tools of modern communication.

Code: SURG 452

Course Title: Orthopedic Surgery

Credit hours: 6 (2+4)

Course description

Orthopedic course was constructed to introduce the basics of trauma management and the principles of common orthopedic diseases in the community to the medical students. The aim is to enhance the knowledge of our students and let them be aware about first-aid in facing orthopedic emergency and to deal with common orthopedic problems in a way that does not exhaust the hospital resources and in the mean time the patient will receive the best care.

Course Main Objectives

- Acquire the essential knowledge, skills, and attitudes required to manage musculoskeletal injuries and orthopaedic diseases.
- Practice essential management of orthopaedic emergencies.
- Acquire skills of musculoskeletal examination.
- Interpret the radiological images of common traumatic and orthopaedic conditions.
- Acquire the skills of cast application and removal.

Code: PME 462

Course Title: Psychiatry

Credit hours: 4 (2+2)

Course description

This course aims at studying psychiatry as one of the most rapidly growing specialties of medicine in our country and the world. Thus, you will learn basic psychiatric knowledge and clinical skills that will enable you to function at the level of primary care psychiatry and take safe decisions

when assessing and treating psychiatric patients. This will be accomplished through a variety of educational activities.

Course Main Objectives

- Acquire the basic knowledge about the common psychiatric diseases in terms of the pathogenesis, the clinical presentation, the diagnosis, the basic investigations and managements.
- Acquire and become proficient in basic clinical skills, such as the ability to obtain a patient's psychiatric history.
- Demonstrate positive attitude that fosters patient -centered care and support the highest standards of the medical profession.
- Communicate ethically with psychiatric patients and their families
- Work in group with colleagues
- Perform a mental status examination, and to interpret the findings.

Code: GYN 482

Course Title: Obstetrics & Gynecology

Credit hours: 8 (2+6)

Course description

This course aims at enabling the students to proceed into either general practice or other specialties. One of the most important objectives of the care of the woman is the recognition of the pathological events during pregnancy, labor and the immediate postpartum.

Course Main Objectives

- Develop competence in the medical interview and physical examination of women, and incorporate ethical, social and diversity perspectives to provide culturally competent health care.
- Apply recommended prevention strategies to women throughout the lifespan.

- Recognize his/her role as a leader and advocate for women.
- Demonstrate knowledge of preconception care including the impact of genetics, medical conditions and environmental factors on maternal health and fetal development.
- Explain the normal physiologic changes of pregnancy including interpretation of common diagnostic studies.
- Describe common problems in obstetrics.
- Demonstrate knowledge of intrapartum care of the mother and newborn.
- Demonstrate knowledge of postpartum care.
- Describe menstrual cycle physiology, discuss puberty and menopause and explain normal and abnormal bleeding.
- Describe the etiology and evaluation of infertility.
- Develop a thorough understanding of contraception, including sterilization and abortion.
- Demonstrate knowledge of common benign gynecological conditions.
- Formulate a differential diagnosis of the acute abdomen and chronic pelvic pain.
- Demonstrate knowledge of peri-operative care and familiarity with gynecological procedures.
- Describe gynecological malignancies including risk factors, signs and symptoms and initial evaluation.

Code: ELC 101

Course Title: Elective Studies 1

Credit hours: 3 (0+3)

Course description

This is an elective course of 2-week duration in the clerkship, during which the student is allowed to set his or her own objectives and select where to spend this time to fulfill the objectives.

Course Objectives

- Students will be able to understand higher-level concepts in research methods and develop awareness and knowledge of the wide variety of research strategies available in Medicine and the situations in which they may be used.

- Students will understand the principles of and participate in laboratory and clinical research projects in different college Departments.
- Students will learn and practice how to come up with a practical research idea, develop a research project, perform literature search, collect the required data, analyze the data, and put the information in an appropriate format for publication.
- Students will be able to read, criticize, and find the clinical application and validity of published research projects in the literature.

Year Five

Code: MED 442

Course Title: Internal Medicine

Credit hours: 10 (0+10)

Course description

This course is a part of the clinical rotation. Students shall attend bedside clinical sessions, clinical tutorials, work as sub-interns in the Department of Medicine, attend at the emergency room and assist in various diagnostic and other procedures in the ward. This course aimed to graduate students who master the skills of history taking and physical examination with the ability to identify abnormal physical findings, have a systematic and problem based approach to the diagnosis and management of common medical conditions, to be able to interpret the results of commonly use diagnostic tests, to be able to recognize patients with life threatening conditions & have a safe and organized approach to the diagnosis and management of common medical emergencies, to be able to communicate effectively ,both verbally and in writing with patients and other health care professionals and to be able to practice student centered learning in his/her free time using available resources.

Course Objectives

- Demonstrate the ability to conduct a focused medical history and perform targeted physical examination appropriate to the patient's chief complaint(s).

- Perform clerking and physical examination of patients admitted through emergency department supervised by Consultant/ Registrar
- Develop a differential and provisional diagnosis and to formulate a problem list.
- Document the details of the history, physical examination, impression and plans for the patients seen in ER duties
- Understand the use of different investigations tool in confirming the final diagnosis, assessing the location, as well as assessing the stage/severity of the disease and any associated complications.
- Demonstrate the ability to apply appropriate clinical pharmacological principles in the selection of drugs to treat common internal medicine problems.
- Gathering and reviewing relevant data, including laboratory and radiological data.
- Choose principles of evidence-based medicine in making diagnostic and management decisions in internal medicine.
- Communicating with other people involved in the care of patients under their primary care e.g. (consultants, residents, consultation services, nurses and others).
- Enhance student's self-directed learning skills and their abilities to work on their learning tasks and report back to their small group members.
- Demonstrate the ability to become accountable/responsible for their learning sessions in regard to attendance, contribution to discussion, working with peers, and getting the best out of each teaching/learning activities.
- Develop skills in basic clinical procedures by using mannequin-based simulation modalities and high- fidelity standardized patients.
- Develop skills in basic clinical procedures by using mannequin-based simulation modalities and high- fidelity standardized patients.

Code: SURG 453

Course Title: General Surgery practice

Credit hours: 10 (2+8)

Course description

This course aims at covering all the surgical diseases that a general practitioner would be called to diagnose and take care, and is composed of clinical sessions in the hospitals supplemented by tutorial sessions which are also modified to the problem oriented type.

The students are posted full-time in the hospital to participate in the routine work of the surgical unit, which involves attending the surgical ward work, the operating theatres, surgical outpatient clinics skill lab sessions and emergency cases in the Accident & Emergency Department.

Course Main Objectives

- Assess and diagnose the common surgical problems
- Provide the initial management to sick or traumatized patients
- Choose the proper diagnostic tool to reach the final diagnosis
- Provide an idea about the different treatment modalities available
- Provide a plan of management for the common surgical problems

Code: PED 474

Course Title: Pediatrics

Credit hours: 10 (2+8)

Course description

This course is designed to provide the student a good chance of building up his knowledge and clinical skills in pediatrics and to prepare him to function as a competent intern.

Course Main Objectives

- Acquire the knowledge related to community problems of child health.
- Know the preventive aspects of childhood health problems and its implementation.
- Recognize urgent and emergency situations in pediatrics and be able to outline an appropriate initial plan of action to stabilize such patients
- Record and interpret a complete physical examination across all pediatric age groups.

- Identify and solve common clinical problems in pediatrics by providing a provisional diagnosis and appropriate differential diagnosis.
- Outline a general plan of investigations and management of common pediatric problems as they relate to Saudi Arabia.
- Use and interpret the laboratory investigations to reach a diagnosis of common pediatric problems especially as they relate to Saudi Arabia.
- Recognize his limitations concerning management of pediatric patients and the need to consult and cooperate with others to provide optimum care.
- Interact with children and their parents or relatives in a gentle, emphatic and appropriate manner.

Code: ELC 102

Course Title: Elective Studies 2

Credit hours: 3 (0+3)

Course description

This is an elective course of 2-week duration in the clerkship, during which the student is allowed to set his or her own objectives and selects where to spend this time to fulfill the objectives.

Course Main Objectives

- Students will be able to understand higher-level concepts in research methods and develop awareness and knowledge of the wide variety of research strategies available in Medicine and the situations in which they may be used.
- Students will understand the principles of and participate in laboratory and clinical research projects in different college departments.
- Students will learn and practice how to come up with a practical research idea, develop a research project, perform literature search, collect the required data, analyze the data, and put the information in an appropriate format for publication.
- Students will be able to read, criticize, and find the clinical application and validity of published research projects in the literature.

INTERNSHIP

After successfully completing two hundred and ninteen (219) credit hours through at least six-year study, graduates must be admitted into a 12-month internship program at various clinical departments under the supervision of faculty members and senior staffs of respective departments. During the internship period, interns are allowed for a two-week leave, subject to the approval by the program director. At the end of defined period, the interns are awarded the MBBS degree. Internship period at King Saud University Hospital in Riyadh is mandatory. Training may be conducted at a hospital approved by the Saudi Council for Health Specialties.

•All interns must spend at least 50% of internship period at King Saud University Hospitals. The Dean of the College may waive this condition on recommendation submitted by Internship Office.

The internship training is planned as follows:

Six obligatory rotations – each rotation lasts for eight weeks.

1. Internal Medicine
2. General Surgery
3. Obstetrics and Gynecology
4. Paediatrics
5. Emergency Medicine and Traumatology
6. Elective

Two elective rotations; each of four weeks duration. Interns may choose from the following specialties:

Cardiothoracic Surgery	**Radiology and Medical Imaging**
Orthopedics	Anesthesiology and Critical Care Medicine
Cardiology	Ophthalmology
Rheumatology	Otorhinolaryngology
Urology	Dermatology
Hematology/Oncology	Neurology
Gastroenterology	Plastic Surgery
Infectious Diseases	Neurosurgery

Major student activities taking place during the field experience.

Interns play an important role in the medical team and participate in patient care in many aspects. Their main roles include:

1- Obtaining medical history

2- Performing initial examination

3- Documenting findings in the electronic medical records system

4- Recording provisional diagnosis

5- Suggesting primary investigation and treatment plan after discussion with and approval by the senior team members

6- Following up on implementation of treatment

7- Documenting any complications

8- Planning discharge and follow up

9- Attend and participate in all clinical rounds done by physicians

10- Participate in the scientific activities organized by the department

11- Take part in clinical research conducted by academic staff

Assessment and Evaluation Center

ASSESSMENT IN THE THREE PHASES OF THE CURRICULUM

Phase I: Pre-Medical Year:

At the end of the preparatory (pre-medical) year students are examined with the aim to assess their readiness for all the health colleges. This examination is conducted by the preparatory year deanship.

Phase II: Year1 – 2:

- During these two years the students are assessed throughout the block/course as formative assessment and then at the end of each block/course as summative assessment. These blocks are as follow: in year one - Foundation block, Musculoskeletal block, Respiratory block, cardiovascular block and Renal Block. In year 2 CNS Block, Gastrointestinal and Haematology Block, Reproductive Block and Endocrine Block.
- A student who passes all blocks in Phase II, and obtains an annual grade point average (GPA) of at least 2.0, is allowed to progress to Phase III of the medical program.

- A student, who does not appear in the final blocks/course examination without a valid excuse, will be given a grade of "0". However, if a student does not attend due to a valid reason, which is approved by the College Board, he/she is required to sit the remedial examination which should be held before the beginning of the next academic year.
- There will be a re-sit (remedial) examination for the failed blocks/course, within a duration that does not exceed one month prior to the beginning of the academic year. The remedial (re-sit) examination carries a 60% pass score equivalent to grade D2. If a student could not attend the scheduled remedial examination, he/she will be given a grade of “0” and he/she has to repeat that block/course.

- A student who fails only or does not appear for one block/course can sit remedial examination for that block. In case he/she fails even the remedial examination he/she can carry over the block to the 2nd year.

- A student who fails two blocks has to sit for the remedial examination for both blocks.

- A student who fails the final examination of three blocks in a year, then he/she can NOT sit for the remedial examination at all. He/She has to repeat the failed blocks.

Phase III: Year 3 and Phase IV: Years 4 and 5

- The 3rd year in the program is a transitional year between an integrated human system taught in Phase II, and clerkship years (Years 4 and 5 in the program). In year three students learn essential clinical including Medicine and Surgery and non-clinical courses such as research methodology, ethics, forensic medicine, medical informatics and preventive medicine.

- The fourth and fifth years are the final clinical clerkship years where major clinical subjects (Internal Medicine, General Surgery, Pediatrics and OB/Gynecology and the rotations like Ophthalmology, Dermatology, ENT Clinical Practice, Orthopedics, Primary Health Care and Psychiatric) take place.

- A student, who does not attend the final course/block examination without a valid excuse he/she is given a grade of "0". However, if he/she does not attend due to a valid reason accepted by the College Board, then he/she is required to sit a remedial examination.

- A student, who fails one or two blocks/courses in phase III & IV, shall sit a remedial examination. The remedial examination will carry a 60% pass score with a grade of D2.
- A student, who fails two blocks/courses in the re-sit exam in any of years (4 or 5) of the program, shall repeat that year, for that block / course in order to progress to the next year.