

## كلية الطب

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## كلية الطب

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مقدمة :

نشأة كلية الطب:

تأسست كلية الطب عام 2006م، وتهتم الكلية بتحقيق الريادة في مختلف مجالاتها: التدريب، والتعليم الطبي، والأبحاث الطبية، وتقديم الخدمات الطبية، مع التركيز على تلبية احتياجات المجتمع الفلسطيني، وتنطلق رسالة كلية الطب من رسالة الجامعة الإسلامية، التي تسعى للنهوض بالمستوى العلمي والثقافي والحضاري، والعمل على مواكبة التطور التكنولوجي، والاتجاهات الحديثة في التعليم العالي، وتشجيع البحث العلمي، وتساهم في خدمة المجتمع وبنائه في إطار من القيم والتعاليم الإسلامية.

### التخصصات والدرجات العلمية:

تمنح الكلية درجة البكالوريوس في تخصص الطب والجراحة وذلك بعد إتمام 258 ساعة معتمدة على مدى ستة أعوام على الأقل، وذلك على النحو التالي:

متطلبات الجامعة الإلبارية	16 ساعة معتمدة
متطلبات الجامعة الإلبارية	11 ساعة معتمدة
متطلبات الكلية الإلبارية	25 ساعة معتمدة
متطلبات التخصص الإلبارية	204 ساعة معتمدة

## اعضاء هيئة التدريس فى كلية الطب لعلوم الطب الأساسية

\* غير متفرغ

الرتبة الأكاديمية	التخصص	إسم المدرس	الرقم
أستاذ	الكيمياء العضوية	أ.د. عادل عوض الله	1.
أستاذ	الأحياء الجزيئية	أ.د. فضل أكرم محمد الشريف	2.
أستاذ	علم وظائف الأعضاء	أ.د. ماجد محمد اسماعيل ياسين	3.
أستاذ	الأحياء الدقيقة وعلم المناعة	أ.د. محمد عيد شبير	4.
أستاذ مشارك	الفيزياء	د. بسام السقا	5.
أستاذ مساعد	جراحة الأنف والأذن والحنجرة - التشريح الطبى	د. إيهاب الزيان *	6.
أستاذ مساعد	طب التأهيل - علم الأعصاب	د. خميس الإسي *	7.
أستاذ مساعد	الكيمياء العضوية	د. رامى مرجان	8.
أستاذ مساعد	علم النفس	د. سمير قوته	9.
أستاذ مساعد	علم وظائف الأعضاء	د. عمر فروانة *	10.
أستاذ مساعد	علم الأمراض والأنسجة	د. عبد المنعم ليد	11.
أستاذ مساعد	الأحياء الدقيقة الطبية	د. عبد الرؤوف المناعة	12.
أستاذ مساعد	الطفيليات الطبية	د. عدنان الهندي *	13.
أستاذ مساعد	جراحة العظام- التشريح الطبى	د. فضل نعيم *	14.

أستاذ مساعد	الأحياء	د. كمال جادالله محمودالنريص	.15
أستاذ مساعد	جراحة العيون- التشريح الطبي	د. محمد الطرشاوي *	.16
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أستاذ مساعد	الأطفال-علم الأجنة	د. نبيل البرقوني *	.23
أستاذ مساعد	الصحة العامة	د. يوسف الجيش	.24
مدرس	التحاليل الطبية	أ. سعيد صادق سعيد الغرة	.25
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مدرس	الأحياء	أ. فايز عبد الرؤوف محمد البجوح	.27
معيد	الطب والجراحة- التشريح الطبي	أ. أسماء حرب محمد أبو الريش	.28
معيد	الطب والجراحة- التشريح الطبي	أ. سامي إسماعيل محمود زقوت	.29

## الخطة الأكاديمية

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1.	اللغة العربية (خو و صرف)	ARAB 1301	3
2.	اللغة الإنجليزية	ENGL 1301	3
3.	قرآن كريم (1) جزء عم	HADTA1100	1
4.	قرآن كريم (2) جزء تبارك	HADTB1100	1
5.	قرآن كريم (3) جزء قد سمع	HADTC2100	1
6.	قرآن كريم (4) جزء الذاريات	HADTD2100	1
7.	قرآن كريم (5) جزء الأحقاف	HADTE3100	1
8.	دراسات فلسطينية	POLS 3220	2
9.	دراسات في الفقه	SHAR 1303	3

ملاحظة / توصيف مساقات متطلبات الجامعة انظر نهاية الدليل

متطلبات الجامعة

11 ساعة

عدد الساعات	رقم المساق	اسم المساق	الرقم
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2	ECON 4203	مبادئ الاقتصاد والاقتصاد الإسلامي	.2
3	HADT 1302	دراسات في السيرة	.3
2	HADT 2201	دراسات في القرآن وعلومه	.4
3	HADT 2303	دراسات في العقيدة	.5
3	HADT 3306	حاضر العالم الإسلامي	.6
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الرقم	اسم المساق	رقم المساق	عدد الساعات
.1	كفمفاء عضفوفة عملفة	CHEM 1110	1
.2	كفمفاء عامة عملفة	CHEM 1115	1
.3	كفمفاء عامة (لطفلة كلفة الطب)	CHEM 1315	3
.4	كفمفاء عضفوفة(لطفلة كلفة الطب)	CHEM 1310	3
.5	مقدمة فف الالسوب	CSCI 1101	1
.6	مصطلالال طلفة	MEDC 1100	1
.7	أالفاء طلفة عملفة	MEDC 1101	1
.8	إالفاء اللفة و طرق الال	MEDC 1201	2
.9	الأالفاء الطلفة	MEDC 1301	3
.10	الارفل الطب	MEDC 2100	1

3	MEDC 2300	فقه وأخلاقيات الطب	.11
2	MEDC 3213	علم النفس	.12
2	MEDC 5200	إدارة صحية	.13
1	PHYS 1115	فيزياء عملية	.14
3	PHYS 1315	الفيزياء العامة للعلوم الحياتية	.15

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.2	علم الأدوية عملي (2)	MEDC 3142	1
.3	مقدمة في الوراثة الطبية	MEDC 3210	2
.4	الطفيليات الطبية	MEDC 3211	2
.5	علم المناعة	MEDC 3212	2
.6	الأحياء الدقيقة الطبية (2)	MEDC 3232	2
.7	الأحياء الدقيقة الطبية(1)	MEDC 3331	3

3	MEDC 3341	علم الأدوية (1)	.8
3	MEDC 3342	علم الأدوية(2)	.9
4	MEDC 3421	علم الأمراض(1)	.10
4	MEDC 3422	علم الأمراض(2)	.11
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2	MEDC 4205	الطب التأهيلي	.13
2	MEDC 4211	علم الأشعة والتصوير الطبي	.14
3	MEDC 4300	الصحة العامة	.15
3	MEDC 4301	مقدمة للمهارات السريرية(1)	.16
3	MEDC 4302	مقدمة للمهارات السريرية(2)	.17
3	MEDC 4341	طب العائلة والمجتمع	.18
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## توصيف مساقات برنامج بكالوريوس الطب والجراحة

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الخطّة المفصلة لكل مساق دراسي والتي تشمل وصف المساق التفصيلي وأهدافه ومفرداته وتوزيعه على الفصل الدراسي وأسلوب تدريسه ومراجعته ومتطلبات دراسة المساق وأسلوب تقييم الطلبة كل هذه الأمور يتم إعدادها من قبل مدرس المساق قبل بداية الفصل الدراسي وفقاً للنموذج الخاص

### 1. Medical terminology (MEDC 1100)

This course presents a study of basic medical terminology: prefixes, suffixes, word roots, combining word forms, special endings, plural forms, abbreviations, and symbols. Emphasis is placed on spelling, definition, usage, and pronunciation.

### 2. History of Medicine (MEDC 2100)

This course introduces students to the importance of the medical profession. Also the changes in medical education in relation to cultural and economical variations throughout history and different civilizations. Special emphasis is made on the role and participation of the Islamic civilization in the development of medicine and on the development of medicine in Palestine during the last century.

### 3. Basics of management and health management (MEDC 5200)

This course is designed to cover the major aspects of managing both public and private health care organizations. These aspects include managing external relationships with key stakeholders like patients and providers, understanding the individual and group dynamics that occur within health care delivery settings, and applying the business and emerging tools used in managing on an everyday basis in health care delivery settings.

### 4. Medical biostatistics and research methodology (MEDC 1201)

This course introduces students to the steps involved in designing and/or evaluating a research paper. Topics include

translating a curiosity into a researchable question and testable hypotheses, the logic of different modes of inquiry, choosing appropriate study designs and samples, measuring phenomena of interest, and interpreting results, as well as principles of research ethics.

The course also includes general statistical concepts; study designs and sampling schemes; both graphical and numerical descriptive statistics; statistical methods (both estimation and hypothesis testing; parametric and non-parametric) for one-group, two-group and multi-group designs; and sample size and power considerations for designed experimental studies. Assignments include the critical review of research articles as well as analysis of real datasets using SPSS, followed by written, tabular and graphical presentation of the results with interpretation.

### 5. Psychology (MEDC 3213)

This course provides the student with the basic principles for understanding the structure of the human psyche in it's normal state, personality traits, normal types of personality and patterns of normal reactions and behaviour. Types of abnormal personality and behaviour as well as different types of psychological and mental illnesses are also explained.

### 6. Medical Biology (MEDC 1301)

An elementary course in general biology designed to provide medical students with basic biological principles and understanding of various biological processes that govern life. The topics include the structure and function of macromolecules, flow and transformation of energy, structure

and function of sub-cellular organelles, human systems and their function and basic knowledge in genetics, histology and microbiology.

**7. General Chemistry (CHEM 1215)**

This is an introductory course in general chemistry that is especially designed for the students of Medicine. In this course students will learn about atomic structure and periodicity, reaction stoichiometry, types of chemical reactions, thermochemistry, bonding theory, gases, intermolecular forces and states of matter, mixtures, thermodynamics, acid-base equilibria as well as chemical kinetics.

**8. Medical physics (PHYS 1315)**

Applications of physics to medicine and medical instrumentation. Topics include bio-mechanics, sound and hearing, pressure and motion of fluids, heat and temperature, electricity and magnetism in the body, optics and the eye, biological effects of light, use of ionizing radiation in diagnosis and therapy and radiation safety.

**9. Organic Chemistry (CHEM 1310)**

This course covers the basic principles of organic chemistry with a throughout course emphasis on energy changes & chemical reactivity, structure and bonding and acid-base theories. Electron push pull mechanisms are stressed as a means of understanding organic reactions. The course surveys the major classes of organic compounds starting with alkanes and ending with a variety of polyfunctional organic compounds.

Structural concepts such as conformational analysis, stereochemistry and spectroscopy will also be emphasized as means of analyzing & hence understanding organic reactions

**10. Anatomy (I MEDC 1321 ), (II MEDC 2321 ), (III MEDC 2322)**

This is a comprehensive course of the structure of the human body consisting of lectures, demonstrations and dissection. Students will be introduced to the fundamental

structural and functional principles of the human body. Regions studied include: head and neck, chest, abdomen, pelvis and peritoneum, upper limbs, back and lower limbs. The aim of the course is to teach students the topography of the human body and to assist them in developing a three-dimensional visualization of anatomic features.

**11. Embryology (MEDC 2211)**

This course introduces students to human embryology from fertilization to the end of the fetal period. During the course various organ systems, the principles of teratology, mechanisms of malformation and the etiology and pathogenesis of some of the more common human congenital abnormalities will be reviewed

**12. Histology (MEDC 2210)**

A course that will provide the student with a basic knowledge and understanding of the microscopic structure of the human body. The relationship between structure and function in the different tissues and organs of the body will be emphasized. Histological slides will be provided for laboratory study. The primary aim of the study is to prepare students for application of histological knowledge in clinical medicine.

**13. Medical Physiology (I MEDC 1331 ), (II MEDC 2431 ), (III MEDC 2432)**

This course provides students with basic aspects of medical physiology "cardiovascular, pulmonary, renal, gastrointestinal, reproduction, endocrine and metabolism. In addition to principles of general physiology the control of different organs and the coordination among them is reviewed. Special emphasis is made on water, electrolyte and acid base balance, body responses and adaptation to various stress condition and physiological disorders.

**14. Medical Biochemistry (I MEDC 1341), (II MEDC 2441)**

This course provides students with basic aspects of medical biochemistry. Integrated function of the human body is

considered ranging widely from cellular to higher organ-system levels. This course will cover the molecular composition of living cells, the chemical reactions that biological components undergo, the regulation of these reactions and the nutrients that are needed by the living cells. The course material covers bioenergetics and intermediary metabolism of carbohydrates, lipids and proteins and their enzymatic regulation. It is a fundamental biological and medical science course that provides an understanding to cell biology, microbiology, nutrition, pharmacology, pathology and physiology at the molecular level.

**15. Molecular Biology (MEDC 2251)**

This course focuses on modern molecular and cell biology, introducing proteins, nucleic acids, the flow of genetic information, molecular genetics and the control of gene expression. It concludes with applications of the basic principles to membranes, the cytoskeleton and extracellular structural proteins. Emphasis is made on clinical applications, particularly in sickle cell anemia, thalassemias, neuromuscular disorders, ion homeostasis, oncogenes and control of cell proliferation.

**16. Pathology (I MEDC 3421), (II MEDC 3422)**

This course presents the basic pathological processes associated with the pathogenesis of disease, cellular response to stress, process of inflammation, and neoplasia. Also includes discussion of specific systems and their pathology such as; hemodynamic disorders, pathology of blood vessels, the heart, respiratory system, gastrointestinal tract, liver and biliary system, pancreas, endocrine system, bones and joints, skeletal muscle and nervous system.

**17. Medical Microbiology (I MEDC 3331), (II MEDC 3232)**

This course introduces medical students to basic concepts in microbiology including, bacteriology, virology and mycology. It also concentrates on medical microbiology and provides core knowledge of infectious disease processes

affecting each organ system, as well as working knowledge of the appropriate clinical laboratory investigations.

**18. Medical Parasitology (MEDC 3211)**

A concise study of medically important parasites with emphasis on regional parasites, their biology in relation to human disease, its laboratory diagnosis and general treatment principles.

**19. Immunology (MEDC 3212)**

This course introduces students to the basic and clinical science of the immune system and its relationship to other sciences and biological systems. This course concentrates on function and structure as well as the development of the immune system. In addition the course concentrates on the clinical science of the immune system and its role in the prevention, causation and diagnosis of human diseases such as cancer, autoimmune disease ... etc.

**20. Medical Pharmacology (I MEDC 3341), (II MEDC 3342)**

This course Covers the basic principles that underlie the action of drugs on physiological processes. These principles are applied to the specific action of drugs on various body systems as well as drug-drug interactions emphasizing the mechanisms of drug action. Surveys therapeutic applications and adverse drug reactions. Clinical case studies related to each section focus on which medications are appropriate to prescribe in various medical settings based on their potential advantages, disadvantages and relative costs

This basic course is planned to assist the student, to be able to understand pharmacological therapy in the clinical phase of medical education.

**21. Introduction to Medical Genetics (MEDC 3210)**

This course provides students with comprehensive view of the science of genetics. It covers the history and development of genetics, structure and function of genes, chromosomes

and their anomalies, Patterns of single gene inheritance, types and mechanisms of mutations and tools of human molecular genetics.

**22. Introduction to clinical skills (I MEDC 4301), (II MEDC 4302)**

This is an introductory course in both internal medicine and general surgery. It is a transition period for students from the basic medical sciences to clinical medicine. Students are introduced to patients and exposed to hospital environment under direct supervision of specialists in medicine and surgery. Emphasis is given to approach to patients, history taking and clinical examination.

**23. Surgery ( Junior and Senior) (MEDC 4521), (MEDC4522), (MEDC 5521), (MEDC 5522)**

The primary goal of the junior clerkship is to expose students to the broad field of general surgery. The student is expected to be familiar with the diagnosis of surgical diseases; understand pathophysiology; enumerate treatment options, including indications for operative procedure and prevention of disease; and perform basic surgical skills.

The student is provided with both didactic instruction and hands-on clinical training

In the senior clerkship the students are involved with surgical patients admitted to hospital. This course aims to develop proficiency in taking histories, performing physical examinations, formulating working diagnoses, and developing plans of management of surgical conditions. Students participate in the care of patients on the wards, in the clinics, in the operating room. and during their postoperative follow-up.

**24. Internal Medicine:(Junior and Senior) (MEDC 4531), (MEDC4532), (MEDC 5531), (MEDC 5532)**

This course covers the theoretical and practical knowledge of internal medicine which enables students to take case history and perform complete clinical examination. The course also teaches differential diagnosis with regard to clinical and laboratory procedures. Special attention is paid to

the etiology and the pathogenesis of disease. After accomplishing the course students should be able to plan the diagnostic and therapeutic procedures and be aware of the prophylaxis and prevention of the most common disorders. The course also includes strategies most frequently applied in acute states. Furthermore, students learn how to deal with patients with chronic diseases, especially with those in the older age.

**25. Urology and Nephrology ( MEDC 5303)**

This course teaches the students, the medical and surgical pathologies of the genitourinary tract. It shows the student the modern conservative and surgical modalities to dealing with urological and nephrological disorders

**26. Neurology and Neurosurgery ( MEDC 4403)**

In this course, students learn how to take history and perform medical examination and will be involved in the evaluation and treatment of neurological diseases. The instruction includes case discussions, seminars, and presentations, in addition to didactic lectures.

The course is also designed to provide students with an overview of clinical neuro-surgery. The emphasis is on applying knowledge gained in neuro-anatomy and neuro-physiology to clinical problem. It also acquaints with diagnosis, operative treatment and post-operative care of neuro-surgical patients.

**27. Cardiology and Cardiac Surgery (MEDC 4411)**

This course introduces the student to routine and emergent cardiovascular conditions commonly encountered in the primary care setting, with emphasis on clinical manifestations, assessment and appropriate therapeutic measures.

The course is also designed to provide students with an overview of clinical cardiac surgery. It also acquaints with diagnosis, operative treatment and post-operative care of cardiac surgical patients.

**28. Ophthalmology (MEDC 5206)**

The course covers theoretical and practical knowledge of the examination, diagnostics and differential diagnosis of eye diseases. It includes a review of the most common systemic disorders that may cause changes in the eye. Furthermore, during the course students will learn about modern diagnostic tools in ophthalmology. The primary aim of the course is to teach students the practical approach to the most common eye disorders and trauma.

**29. E.N.T (MEDC 5207)**

The course covers basic knowledge of the most common diseases of the larynx, throat, nose and ear. Special attention is paid to proper examination and differential diagnosis. Providing experience in the use of basic instruments in otolaryngology.

**30. Orthopaedics (MEDC 5302)**

This course concentrates on the care and treatment of the orthopedic patient. It focuses is on the establishment of diagnosis and management of orthopedic conditions commonly encountered in a primary care setting. Orthopedic physical examination and casting skills are included. Students also learn how to deal with trauma patients.

**31. Rehabilitation Medicine (MEDC 4205)**

This is an introductory course in which students are given basic instruction in rehabilitation medicine. They are involved in inpatient in management of general rehabilitation patients including patients who suffered traumatic brain and spinal cord injuries, strokes, various neuromuscular disabilities and amputee's. Students may also have an opportunity to study life style of outpatient cases and investigate community resources for the disabled.

**32. Dermatology (MEDC 5208)**

This course is designed to teach the etiology, clinical picture, diagnostic and therapeutic procedures of skin diseases and sexually transmitted diseases (STD). The curriculum includes practical assessment of the most common dermatological

changes, performing basic therapeutic procedures and collecting samples for laboratory tests. Emphasis is made on outpatient diagnosis and treatment of common skin conditions and the cutaneous manifestations of systemic diseases. Special attention is paid to the prophylaxis and prevention of skin diseases and STD.

**33. Medical Imaging (MEDC 4211)**

This course is designed to familiarize students in the interpretation of medical images including chest radiographs, abdominal films and bone film in addition to introduction to ultrasound, C-T scan and MRI. Emphasis is given on case studies and on correlation between radiographic findings with clinical data. Students also become acquainted with the working of the radiology department and observe performance of variety of diagnostic procedures.

**34. Anesthesia and intensive care (MEDC 5301)**

This course is designed to expose students the varieties of practice available in anesthesia and the application of basic knowledge in pharmacology and physiology in clinical situations. It also prepares the students to the management of victims of cardiac arrest. Students will acquire the knowledge and skills necessary for resuscitation of critically ill patient.

**35. Emergency Medicine (MEDC 5310)**

This course exposes the student to various aspects of management of patients in an emergency department. It provides the student with the opportunity to see an undifferentiated patient population with varying modes of presentation. This experience will stress diagnostic skills, ability to prioritize patient care and exposure to new diagnostic skills.

**36. Obstetrics & Gynecology ( junior and senior) (MEDC 5751), (MEDC 5531), (MEDC 5352)**

The junior course is an introductory experience in the provision of comprehensive and medical care-and counseling services to adult and adolescent female patients. Students are involved in both inpatient and outpatient settings with

management and delivery of obstetric patients as well as the diagnosis and management of gynecologic conditions and disease.

The senior course is designed to provide students with the skills and knowledge needed to care for patients with common gynecological problems, the well-woman examination and pregnancy from prenatal care through delivery and postpartum. Emphasis is placed on history and physical examination and the management of pregnancy and vaginal delivery and common gynecological procedures and operation rooms.

**37. Pediatrics( junior and senior) (MEDC 5741), (MEDC 5361), (MEDC 5362)**

This course reviews the normal growth and development of the child and covers the fundamental aspects of common childhood disorders and diseases. Instruction is also provided in the areas of physical assessment of neonatal and pediatric and adolescent patients, preventive medicine during childhood, congenital disorders, common psychological disorders relating to pediatrics and adolescent medicine, and pediatric drug therapy

The curriculum of the course includes taking the case history from the child and the family as well as performing clinical examination taking into account all the differences of the child's development and physiology. Furthermore the course teaches how to assess completely the child's general state and to plan the diagnostic and therapeutical procedures.

**38. Psychiatry ( MEDC 5504)**

The course is designed to teach the diagnosis of basic psychiatric disorders e.g. depression, sleep and eating disorders, organic disorders, schizophrenia, psychoactive substances abuse, child and adolescent mental disorders as well as the therapeutic procedures available to non-psychiatrists. The course includes the assessment of the patient's mental state and psychiatric examination. A substantial part of the course teaching students communication skills with somatic and psychiatric patients. Special attention is paid to the proper doctor-patient

relationship. Furthermore, the course underlines the significance of clinical psychology in diagnosis and therapy.

**39. Family Medicine and Community Medicine (I MEDC 4341), (II MEDC 5341)**

The course is aimed to teach medical students the basic principles of family medicine as a unique clinical discipline including the holistic approach to a patient's care with special attention to family problems. Attention is drawn to the influence of sociopsychological factors on health and its promotion as well as prophylaxis. Part of the course is designed to present the differences between primary health care and hospital treatment and the organization of a family doctor's work. Students participate in the primary care and are taught the importance of the doctor-patient relationship, communication skills, clinical problem solving and physical examination.

This course provides students with an overview of key issues and contributing factors related to the health of families and communities. It includes focus on current and emerging public health concerns at each stage in the life-cycle, the needs of special populations and the range of policy and program responses. The course provides a framework for assessing the health of families and communities and for developing strategies for intervention and promotion of health and wellness. Prerequisites

**40. Forensic Medicine and Toxicology ( MEDC 5305)**

This course deals with the effects of disease, particularly its role in suspicious death, and examines the effects of various external agents (e.g. firearms, poisons blunt trauma, etc) on the human body. Also the course will discuss situations requiring notification of the coroner, autopsy consents, death certification and steps taken by a medical expert in preparing for court.

**41. Public Health ( MEDC 4300)**

This course focuses on dimensions of personal and environmental health and their relationship to economic, psycho-social and political factors, measurements and indices

of community health status. Theoretical frame work for viewing organizational issues in the delivery of health services are discussed.

**42. Clinical Laboratory Medicine ( MEDC 5201)**

The course is designed to teach students different profiles of laboratory tests and their diagnostic significance. It includes interpretation of laboratory tests results and introduction to modern diagnostic procedures. Special focus is given to the understanding of the relation between the pathological process and diagnostic tests results. By the end of the course, students are supposed to be prepared for planning and interpreting diagnostic tests in different pathological conditions

**43. Clinical Pharmacology ( MEDC 4100)**

During this course, the student is taught the four processes of drug therapy which are pharmaceutical, pharmacokinetic, pharmacodynamic and therapeutic process. The student learns the importance of monitoring drug therapy and acquires the basic knowledge of adverse drug reactions. The student masters the main topics of drug-drug and drug-food interactions. The student is provided with the basic knowledge of drug therapy to young and old people.

**44. Electives ( MEDC 5400)**

This period offers the student an opportunity to complete an elective period of his choice. The elective period is spent in a clinical area of interest to the student or a repeat area in which the student wishes to increase knowledge. The student selects an elective clinical area with the approval of the faculty advisor. The student develops an individualized learning contract which includes objectives for elective rotation and a method to demonstrate achievement of these objectives at the conclusion of the period.

