

Courses Description

College: Applied Medical Sciences

Department: Medical Laboratory Sciences

Couse ID: 501211 **Description:** Anatomy & Histology

Full Course Description: This course aims to enable students to identify the various organs of the systems forming the human body and study the anatomical structures and features of each part of human body. The course concentrated in identifying the histology and anatomy of skeletal, muscular, cardiovascular, lymphatic, nervous, digestive, respiratory, reproductive, and endocrine systems.

Couse ID: 501221 **Description:** Biochemistry

Full Course Description: This course studies the major concepts in biochemistry including: composition and function of water molecules, amino acids and proteins, enzymes, carbohydrates and lipids. Also the course focuses on explaining chemical structures and functions of these compounds and their association with various types of disorders and disease.

Couse ID: 501233 **Description:** Histopathological & Cytological Techniques

Full Course Description:

Couse ID: 501241 **Description:** Basic Medical Microbiology

Full Course Description:

Couse ID: 501242 **Description:** Immunology

Full Course Description: This course studies principles of the immune system and its molecular and cellular interactions. The major topics include: the development of the immune system, cellular and humoral immune responses, innate and adaptive branches of the immune system, immune disorders such as autoimmunity and immunodeficiency and immunization.□
. It provides students with knowledge required to perform different serological techniques used in disease diagnosis. It consists of the theory, application, and performance of common serological testing used in a clinical laboratory such as agglutination reactions, precipitation reactions, direct and indirect hemagglutination and immunodiffusion. The course is accompanied by practical laboratory sessions.

Couse ID: 501246 **Description:** Epidemiology

Full Course Description:

Couse ID: 501252 **Description:** Human Genetics

Full Course Description:

Couse ID: 501254 **Description:** Human Embryology

Full Course Description:

Couse ID: 501313 **Description:** Endocrinology

Full Course Description:

Couse ID: 501316 **Description:** Reproductive Physiology

Full Course Description:

Couse ID: 501321 **Description:** Clinical chemistry (1)

Full Course Description:

Couse ID: 501322 **Description:** Clinical chemistry (2)

Full Course Description:

Couse ID: 501323 **Description:** Instrumental & Chemical Analysis

Full Course Description:

Couse ID: 501324 **Description:** Urinalysis & Body Fluids

Full Course Description:

Courses Description

College: Applied Medical Sciences

Department: Medical Laboratory Sciences

Couse ID: 501331 **Description:** Clinical Hematology (1)

Full Course Description:

Couse ID: 501332 **Description:** Clinical Hematology (2)

Full Course Description:

Couse ID: 501341 **Description:** Clinical Microbiology

Full Course Description:

Couse ID: 501342 **Description:** Medical Microbiology For Nursing

Full Course Description:

Couse ID: 501343 **Description:** Medical Parasitology

Full Course Description:

Couse ID: 501344 **Description:** Medical Virology

Full Course Description:

Couse ID: 501345 **Description:** Medical Microbiology For Nursing

Full Course Description:

Couse ID: 501348 **Description:** Diagnostic Immunology & Serology

Full Course Description:

Couse ID: 501352 **Description:** Genetic Counseling

Full Course Description:

Couse ID: 501362 **Description:** Quality Control

Full Course Description:

Couse ID: 501373 **Description:** Computers in Medical Laboratory Sciences

Full Course Description:

Couse ID: 501425 **Description:** Pharmacology

Full Course Description:

Couse ID: 501429 **Description:** Internship in Clinical Chemistry and special test

Full Course Description:

Couse ID: 501434 **Description:** Internship In Histopathology & cytopathology

Full Course Description:

Couse ID: 501435 **Description:** Tissue Culture

Full Course Description:

Couse ID: 501439 **Description:** Internship in Hematology & Blood Banking

Full Course Description:

Couse ID: 501441 **Description:** Diagnostic Immunology

Full Course Description:

Couse ID: 501444 **Description:** Community Health

Full Course Description:

Couse ID: 501448 **Description:** Medical Virology

Full Course Description:

Courses Description

College: Applied Medical Sciences

Department: Medical Laboratory Sciences

Couse ID: 501449	Description: Internship in Medical Microbiology
Full Course Description:	
Couse ID: 501451	Description: Molecular Biology & cellular Genetics
Full Course Description:	
Couse ID: 501461	Description: Medical Ethics
Full Course Description:	
Couse ID: 501462	Description: Laboratory Management
Full Course Description:	
Couse ID: 501491	Description: Seminar
Full Course Description:	
Couse ID: 501492	Description: Advanced Research methodology
Full Course Description:	
Couse ID: 501493	Description: Recent research studies
Full Course Description:	
Couse ID: 501495	Description: Special Topics
Full Course Description:	
Couse ID: 2501212	Description: Human Physiology
Full Course Description:	
Couse ID: 2501213	Description: Anatomy
Full Course Description:	
Couse ID: 2501214	Description: Human Physiology
Full Course Description:	
Couse ID: 2501221	Description: Biochemistry
Full Course Description:	jjjjj
Couse ID: 2501311	Description: Pathology
Full Course Description:	
Couse ID: 2501325	Description: Toxicology
Full Course Description:	
Couse ID: 2501341	Description: Clinical Microbiology
Full Course Description:	
Couse ID: 2501348	Description: EEEE
Full Course Description:	AAS
Couse ID: 2501352	Description: Genetic Counseling
Full Course Description:	
Couse ID: 2501361	Description: Principles of Medicine
Full Course Description:	
Couse ID: 2501425	Description: Pharmacology
Full Course Description:	

Courses Description

College: Applied Medical Sciences

Department: Medical Laboratory Sciences

Couse ID: 2501431 **Description:** Blood Bank

Full Course Description:

Couse ID: 2501442 **Description:** Medical Mycology

Full Course Description:

Couse ID: 2501443 **Description:** Medical Mycology

Full Course Description: www

Couse ID: 2501447 **Description:** Internship In Clinical Immunology

Full Course Description:

Couse ID: 2501449 **Description:** Internship in Medical Microbiology

Full Course Description:

Couse ID: 3501311 **Description:** Pathology

Full Course Description: Pathology

Couse ID: 110501210 **Description:** Microtechnique Practical

Full Course Description: cczx

Couse ID: 110501216 **Description:** Human Anatomy Practical

Full Course Description: In the practical aspect of human anatomy, different models have been used to facilitate identification the anatomical features of organs of the human body systems.

Couse ID: 110501217 **Description:** Histology

Full Course Description: sa

Couse ID: 110501218 **Description:** Histology Practical

Full Course Description: gf

Couse ID: 110501219 **Description:** Microtechnique

Full Course Description: dsfsd

Couse ID: 110501223 **Description:** Human Physiology / Practical

Full Course Description: jk

Couse ID: 110501231 **Description:** Biochemistry

Full Course Description: kl;

Couse ID: 110501232 **Description:** Practical Biochemistry

Full Course Description: das

Couse ID: 110501244 **Description:** Medical Microbiology Practical

Full Course Description: hjj

Couse ID: 110501252 **Description:** Hematology (1)

Full Course Description: hjj

Couse ID: 110501256 **Description:** Hematology / Practical

Full Course Description: hj

Couse ID: 110501311 **Description:** Pathology

Full Course Description: This course deals with the basic concepts of pathology and the changes that occur in organs as a result of diseases such as diseases of the circulatory system, bones, joints, infections, and others.

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College: Applied Medical Sciences

Department: Medical Laboratory Sciences

Couse ID: 110501322 **Description:** Clinical Chemistry

Full Course Description: kl

Couse ID: 110501323 **Description:** Practical Clinical Chemistry

Full Course Description: kl

Couse ID: 110501325 **Description:** Toxicology

Full Course Description: dsfs

Couse ID: 110501333 **Description:** Endocrinology

Full Course Description: This deals with the basic substance and elements in the human body, enzymes, vitamins and various hormones. Side work also includes various work to uncover the body's working systems.

Couse ID: 110501334 **Description:** Practical Endocrinology

Full Course Description: This deals with the basic substance and elements in the human body, enzymes, vitamins and various hormones. Side work also includes various work to uncover the body's working systems.

Couse ID: 110501335 **Description:** Urine and Body Fluid Analysis

Full Course Description: j

Couse ID: 110501336 **Description:** Urine and Body Fluid Analysis / Practical

Full Course Description: zx

Couse ID: 110501337 **Description:** Molecular Biology and Cell Genetics

Full Course Description: jh

Couse ID: 110501338 **Description:** Molecular Biology and Cell Genetics/ Practical

Full Course Description: as

Couse ID: 110501345 **Description:** Diagnostic Microbiology

Full Course Description: asd

Couse ID: 110501346 **Description:** Diagnostic Microbiology Practical

Full Course Description: zx

Couse ID: 110501347 **Description:** Medical Parasitology

Full Course Description: as

Couse ID: 110501349 **Description:** Medical Parasitology Practical

Full Course Description: s

Couse ID: 110501353 **Description:** Hematology (2)

Full Course Description: ghf

Couse ID: 110501354 **Description:** Practical Hematology (2)

Full Course Description: asd

Couse ID: 110501355 **Description:** Immunology and Serology

Full Course Description: df

Couse ID: 110501356 **Description:** Practical Immunology and Serology

Full Course Description: a

Couse ID: 110501362 **Description:** Quality Control

Full Course Description: sdf

Courses Description

College: Applied Medical Sciences

Department: Medical Laboratory Sciences

Couse ID: 110501364 **Description:** Epidemiology

Full Course Description: dsfs

Couse ID: 110501365 **Description:** Human Genetics

Full Course Description: sdf

Couse ID: 110501366 **Description:** Human Genetics Practical

Full Course Description: dsfsd

Couse ID: 110501367 **Description:** Developmental Biology

Full Course Description: sdf

Couse ID: 110501368 **Description:** Developmental Biology Practical

Full Course Description: dsfsd

Couse ID: 110501415 **Description:** Internship in Tissue culture

Full Course Description: dsf

Couse ID: 110501424 **Description:** Oncology

Full Course Description: xzc

Couse ID: 110501435 **Description:** Cell Culture

Full Course Description: sdas

Couse ID: 110501436 **Description:** Cell Culture Practical

Full Course Description: jk

Couse ID: 110501437 **Description:** Internship in Clinical Chemistry and Molecular Biology

Full Course Description: sd

Couse ID: 110501445 **Description:** Internship in Clinical Microbiology

Full Course Description: dsa

Couse ID: 110501446 **Description:** Mycology and Virology

Full Course Description: as

Couse ID: 110501447 **Description:** Internship (2)

Full Course Description: kk

Couse ID: 110501453 **Description:** Blood Bank

Full Course Description: sd

Couse ID: 110501454 **Description:** Blood Bank Practical

Full Course Description: dsf

Couse ID: 110501455 **Description:** Internship in Blood & Blood Bank

Full Course Description: fds

Couse ID: 110501456 **Description:** Internship in Clinical Immunology

Full Course Description: czx

Couse ID: 110501457 **Description:** Internship (1)

Full Course Description: tt

Couse ID: 110501491 **Description:** Seminar in Laboratory Science

Full Course Description: dfs

Courses Description

College: Applied Medical Sciences

Department: Medical Laboratory Sciences

Couse ID: 110501495 **Description:** Special Topics in Laboratory Science

Full Course Description: sadas

Couse ID: 140501225 **Description:** Pharmacology

Full Course Description: سيليبيسي

Couse ID: 140501324 **Description:** Body Fluids Analysis

Full Course Description: تهتمتاك

Couse ID: 140501332 **Description:** Clinical Chemistry (1)

Full Course Description: This course trains students to carry out examinations related to clinical chemistry and trains them to deal with medical samples and various laboratory equipment.

Couse ID: 140501333 **Description:** Clinical Chemistry (2)

Full Course Description: نمكنت

Couse ID: 140501344 **Description:** Medical Parasitology

Full Course Description: The course is designed to provide the student with basic knowledge and information on human parasites of medical importance, especially protozoa and helminths. The course will cover parasites basic life cycles, epidemiology, modes of transmission, clinical features, laboratory diagnosis, as well as physiological and immunological interactions between parasites and their hosts.

Couse ID: 140501352 **Description:** Hematology (2)

Full Course Description: This subject covers disease processes related to hereditary, acquired, benign and malignant disorders of hematological systems; correlation of physiological processes, pathological states and diagnostic tools in hematology; light microscopic morphological examination of peripheral blood and bone marrow in diseases and correlation of these findings with indices and cell counts obtained by automated laboratory equipment; procedures for detection and precise diagnosis of anaemias, hemoglobin disorders, hemostatic disorders, hematological malignancies; the World Health Organization classification of hematological malignancies; introduction to cytogenetics; prenatal diagnosis of genetic disease, genetic counselling and cancer cytogenetics.

Couse ID: 140501354 **Description:** Diagnostic Immunology and Serology

Full Course Description: اتاتنم

Couse ID: 140501423 **Description:** Endocrine Glands

Full Course Description: يسيبيسي

Couse ID: 140501446 **Description:** Medical Virology

Full Course Description: منكنمك

Couse ID: 140501453 **Description:** Phlebotomy and Blood Banking

Full Course Description: ممكنمكنمك

Couse ID: 140501462 **Description:** Research Methods in Medical Laboratory Sciences

Full Course Description: سشيش

Couse ID: 140501471 **Description:** Field Training (1)

Full Course Description: يسيبيبيسي

Couse ID: 140501472 **Description:** Field Training (2)

Full Course Description: بيليل

Couse ID: 2005011161 **Description:** Medical Terminology

Full Course Description:

Courses Description

College: Applied Medical Sciences

Department: Medical Laboratory Sciences

Couse ID: 2005011213 **Description:** Micro-techniques for Histopathology□

Full Course Description:

Couse ID: 2005011214 **Description:** Micro-techniques for Histopathology / Practical

Full Course Description:

Couse ID: 2005011215 **Description:** Embryology

Full Course Description:

Couse ID: 2005011221 **Description:** Medical Human Physiology

Full Course Description: This course will concentrate on the basic functions of human body, including cell, muscles, Nervous, Blood, Heart, Blood vessels, urinary. More emphasis will be focused on mechanisms involved in the physiological processes.

Couse ID: 2005011231 **Description:** Medical Biochemistry

Full Course Description: This course studies the major concepts in biochemistry including: composition and function of water molecules, amino acids and proteins, enzymes, carbohydrates and lipids. Also the course focuses on explaining chemical structures and functions of these compounds and their association with various types of disorders and disease.

Couse ID: 2005011233 **Description:** Metabolism and Protein Chemistry

Full Course Description:

Couse ID: 2005011234 **Description:** Human Genetics

Full Course Description:

Couse ID: 2005011241 **Description:** Basic Medical Microbiology

Full Course Description:

Couse ID: 2005011251 **Description:** Hematology (1)

Full Course Description: The course is designed to introduce students to the basic concepts and techniques in the hematology laboratory. This entails the systematic coverage of formation, functions, disorders, and blood tests of red blood cells, hemoglobin, platelets, white blood cells, and coagulation systems. The practical work in the course is designed to expand and reinforce the ideas introduced in the lectures. Enough background and instructions on laboratory methods and instrumentation are provided to enable satisfactory laboratory performance. Automation is also stressed with a special emphasis on the various automated processes used in hematology, ranging from the simple analyzers to the more complex electronic analyzers used in the department.

Couse ID: 2005011252 **Description:** Introduction to Immunology

Full Course Description: This course studies principles of the immune system and its molecular and cellular interactions. The major topics include: the development of the immune system, cellular and humoral immune responses, innate and adaptive branches of the immune system, immune disorders such as autoimmunity and immunodeficiency and immunization.

Couse ID: 2005011261 **Description:** Special Topics in Medical Laboratory Sciences

Full Course Description: This course covers different topics in medical science research such as information sources in medical science; medical data bases, abstracting journals, use of original articles and reviews; verbal presentation of information; a substantial review of the scientific literature on a up to date selected techniques of medical science

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Couse ID: 2005011312 **Description:** Oncology

Full Course Description: This course will cover the molecular and cellular events lead to tumor formation, progression, and metastasis. Students will learn about the clinical aspects of different types of cancer, diagnostic procedures, tests and the specific therapies. Examples of molecular genetic and other biological events related to cancer etiology, symptoms and targets for cancer therapy will be given in addition to other clinical aspects. Emphasis is on the correlation between the molecular basis of cancer and its clinical implications.

Couse ID: 2005011313 **Description:** Cells Culture

Full Course Description:

Couse ID: 2005011321 **Description:** Pathophysiology

Full Course Description:

Couse ID: 2005011334 **Description:** Molecular Biology and Cell Genetics

Full Course Description:

Couse ID: 2005011341 **Description:** Diagnostic Microbiology

Full Course Description: Lectures are focused on the medically important bacteria,□ exploring pathology, pathogenesis, laboratory diagnosis and management. Laboratory sessions□ are focused on bacteriologic techniques for isolation of bacteria from clinical specimens,□ differential biochemical identification and antibiotic sensitivity testing.□

Couse ID: 2005011343 **Description:** Molecular Diagnosis of Infectious Diseases

Full Course Description:

Couse ID: 2005011344 **Description:** Epidemiology

Full Course Description:

Couse ID: 2005011351 **Description:** Diagnostic Immunology and Serology

Full Course Description: This course introduces the concepts of diagnostic immunology and serology for clinical laboratory practice. It covers essential theoretical principles along with basic serology techniques most commonly used in the laboratory. It provides students with knowledge required to perform different serological techniques used in disease diagnosis. It consists of the theory, application, and performance of common serological testing used in a clinical laboratory such as agglutination reactions, precipitation reactions, direct and indirect hemagglutination and immunodiffusion. The course is accompanied by practical laboratory sessions.

Couse ID: 2005011353 **Description:** Blood Bank

Full Course Description: Blood Banking deals with the study of immunologic principles applied in blood group specific antigens and antibodies and its application in transfusion medicine. It also deals with the mechanisms of blood typing and crossmatching, antihuman globulin testing, detection and identification of antibodies, screening of donors for blood donation, preparation and storage of blood components.

Couse ID: 2005011354 **Description:** Haematopoietic Stem Cell Science

Full Course Description:

Couse ID: 2005011361 **Description:** Instrumental Analysis in Medical Laboratories

Full Course Description:

Couse ID: 2005011362 **Description:** Research methods and Biostatistics

Full Course Description:

Courses Description

College: Applied Medical Sciences

Department: Medical Laboratory Sciences

Couse ID: 2005011363	Description: Introduction to Biotechnology
Full Course Description:	
Couse ID: 2005011441	Description: Medical Mycology
Full Course Description:	
Couse ID: 2005011460	Description: "Quality control and Medical Laboratory Management
Full Course Description:	
Couse ID: 2005011461	Description: Ethics and safety in Medical Laboratories
Full Course Description:	
Couse ID: 2005011462	Description: Seminar in Medical Laboratory Sciences
Full Course Description:	
Couse ID: 2005011471	Description: Field Training (1)
Full Course Description:	
Couse ID: 2005011472	Description: Field Training (2)
Full Course Description:	
Couse ID: 2005011473	Description: Field Training (3)
Full Course Description:	
Couse ID: 2005011474	Description: Field Training (4)
Full Course Description:	