

COURSE OUTLINE FOR MEDICAL LABORATORY SCIENCE.**100 LEVEL**

FIRST SEMESTER.					
Code	Course Title	Unit(s)	Status	LH	PH
BIO 101	GENERAL BIOLOGY I	3	C	30	-
BIO 191	GENERAL BIOLOGY PRACTICAL I	1	C	-	45
PHY 101	GENERAL PHYSICS	3	C	30	
PHY 191	GENERAL PHYSICS PRACTICAL I	1	C	-	45
ICH 101	GENERAL CHEMISTRY I	3	C	30	-
ICH 191	GENERAL CHEMISTRY PRACTICAL I	1	C	-	45
MTH 101	GENERAL MATHEMATICS I	3	C	30	-
GST 101	COMMUNICATION IN ENGLISH I	2	C	15	-
GST 103	PHILOSOPHY & LOGIC.	2	C	15	-
GST 105	NIGERIAN PEOPLES & CULTURE.	2	C	15	-
GST 107	OLD TESTAMENT SURVEY.	0	C	15	-
GST. 111	MORAL AND ETHICS	0	C	-	-
TOTAL		21			

SECOND SEMESTER.					
Code	Course Title	Unit(s)	Status	LH	PH
BIO 102	GENERAL BIOLOGY II	3.	C	30	-
BIO 192	GENERAL BIOLOGY PRACTICAL II	1	C	-	45
ICH 102	GENERAL CHEMISTRY II	3	C	30	-
ICH 192	GENERAL CHEMISTRY PRACTICAL II	1	C	-	45
PHY 102	GENERAL PHYSICS II	3	C	30	-
PHY 192	GENERAL PHYSICS PRACTICAL II	1	C	-	45
MTH 102	GENERAL MATHEMATICS II	3	C	30	-
GST 102	COMMUNICATION IN ENGLISH II	2	C	15	-
GST 104	USE OF LIBRARY	2	C	15	-
GST 106	COMMUNICATION IN FRENCH	2	C	15	-
GST 108	NEW TESTAMENT SURVEY	0	C	15	-
GST. 112	MORAL AND ETHICS	0	C	15	-
TOTAL		21			

200 LEVEL

FIRST SEMESTER.					
Code	Course Title	Unit(s)	Status	LH	PH
ANA 201	GROSS ANATOMY OF UPPER AND LOWER EXTREMETIES.	2	C	30	45
ANA 203	EMBRYOLOGY AND GENETICS	2	C	30	-
ANA 205.	GENERAL HISTOLOGY AND CELL BIOLOGY	2	C	30	45
BCH 201	GENERAL BIOCHEMISTRY I	2	C	30	-
BCH 217	NUTRITIONAL BIOCHEMISTRY	1	C	15	-
BCH 291	PRACTICAL BIOCHEMISTRY	1	C	-	45
PIO 201	INTRODUCTION TO PHYSIOLOGY/ GIT & RENAL.	2	C	30	-
PIO 205	PRINCIPLE OF CELL PHYSIOLOGY/ BLOOD & NEUROPHYSIOLOGY	2	C	30	-
MLS 201	INTRODUCTION TO MEDICAL LABORATORY SCIENCE.	2	C	30	45
GST 204	ENVIRONMENT AND SUSTAINABLE DEVELOPMENT	2	C	30	-
GST. 205.	ENTREPRENEURAL STUDIES	2	C	30	-
GST. 206	INTRODUCTION TO COMPUTER SCIENCE	2	C	30	-
GST. 213	MORAL AND ETHICS	0	C		-
TOTAL		22			
DIRECT ENTRY STUDENTS					
GST 101	COMMUNICATION IN ENGLISH I	2	C	30	-
GST 103	PHILOSOPHY & LOGIC.	2	C	30	-
GST 107	OLD TESTAMENT SURVEY.	0	C	30	-
TOTAL		26			

SECOND SEMESTER.					
Code	Course Title	Unit	Status	LH	PH
ANA 312	GROSS ANATOMY OF HEAD, NECK AND NEUROANATOMY	2	C	30	45
ANA 204	GROSS ANATOMY OF THORAX ABDOMEN , PELVIS AND PERITONEUM	2	C	30	45
BCH 202	GENERAL BIOCHEMISTRY II	2	C	30	45
PIO. 202	CARDIOVASCULAR AND RESPIRATORY PHYSIOLOGY/PRACTICALS	2	C	30	45
PIO 206	REPRODUCTIVE AND ENDOCRINE PHYSIOLOGY.	2	C	30	-
PIO 208	NEUROPHYSIOLOGY & SPECIAL SENSES	2	C	30	-
GST 202	PEACE AND CONFLICT RESOLUTION	2	C	30	-
GST 204	ENTERPRENEURSHIP STUDIES	2	C	30	-
GST 206	COMPUTER APPLICATIONS & PROGRAMMING.	2	C	30	45
GST. 224	MORAL AND ETHICS	0	C		-
TOTAL		18			
DIRECT ENTRY STUDENTS					
GST 102	COMMUNICATION IN ENGLISH II	2	C	30	-
GST 104	USE OF LIBRARY	2	C	30	-
TOTAL		22			

300 LEVEL

FIRST SEMESTER					
Code	Course Title	Credit Unit	Status	LH	PH
MLS 311	BASIC CLINICAL CHEMISTRY	3	C	45	45
MLS 321	BASIC HAEMATOLOGY	3	C	45	45
MLS 331	BASIC GENERAL PATHOLOGY	3	C	45	45
MLS 341	BASIC MEDICAL MICROBIOLOGY I	3	C	45	45
MLS 351	BASIC IMMUNOLOGY	3	C	45	45
BCH 315	METABOLISM OF PROTEINS & AMINO ACIDS	2	C	30	45
PHA 301	BASIC PHARMACOLOGY AND TOXICOLOGY I	2	C	30	45
MLS 391	PRACTICAL EXERCISE I	1	C	-	60
GST. 315	MORAL AND ETHICS	0	C	-	-
TOTAL		20			

DIRECT ENTRY STUDENTS.

GST 103	PHILOSOPHY & LOGIC.	2	C	30	-
GST 105	NIGERIAN PEOPLES & CULTURE.	2	C	30	-
GST 107	OLD TESTAMENT SURVEY	0	C	30	-
TOTAL		24			

SECOND SEMESTER.

Code	Course Title	Credit Unit	Status	LH	PH
MLS 312	MED. LABORATORY SCIENCE INSTRUMENTATION & TECHNIQUE	3	C	45	45
MLS 322	BASIC BLOOD GROUP SEROLOGY	3	C	45	45
MLS 304	BASIC MOLECULAR BIOLOGY I	2	C	30	45
PHA 302	CLINICAL PHARMACOLOGY & TOXICOLOGY II	2	C	30	45
MLS 342	BASIC MEDICAL PARASITOLOGY.	2	C	30	45
MLS 392	PRACTICAL EXERCISES II	2	C	-	60
MLS 382	MEDICAL LABORATORY POSTING II	2	C	-	-
MLS 302	MEDICAL LABORATORY ETHICS.	2	C	30	-
GST. 316	MORAL AND ETHICS	0	C	-	-
TOTAL		19			

DIRECT ENTRY STUDENTS.

GST. 106	COMMUNICATION IN FRENCH	2	C	30	-
GST 108	NEW TESTAMENT SURVEY	0	C	30	-
TOTAL		21			

400 LEVEL

FIRST SEMESTER					
Code	Course Title	Credit Unit	Status	LH	PH
MLS 401	MED LABORATORY MANAGEMENT AND FUNCTIONS	2	C	30	
MLS 405	BIOMEDICAL ENGINEERING	4	C	60	60
MLS 411	CLINICAL CHEMISTRY I	2	C	30	45
MLS 421	HAEMATOLOGY.	2	C	30	45
MLS 431	HISTOPATHOLOGY I	2	C	30	45
MLS 441	MEDICAL MICROBIOLOGY & TECHNIQUES	2	C	30	45
MLS 443	MEDICAL VIROLOGY & TECHNIQUES	2	C	30	45
MLS 491	PRACICAL EXERCISES III	2	C		60
GST 417	MORAL AND ETHICS	0	C	-	-
TOTAL		18			

SECOND SEMESTER.					
Code	Course Title	Credit Unit	Status	LH	PH
MLS. 404	MEDICAL LAB SCIENCE ETHICS AND JURISPRUDENCE	2	C	30	45
MLS. 403	MEDICAL STATISTICS	2	C	30	-
MLS. 408	RESEARCH METHODOLOGY	2	C	30	-
MLS 412	CLINICAL CHEMISTRY II	2	C	30	45
MLS 422	BLOOD GROUP SEROLOGY	3	C	30	45
MLS 432	HISTOPATHOLOGY II	2	C	30	45
MLS 442	MEDICAL PARASITOLOGY & ENTOMOLOGY	2	C	30	45
MLS 452	IMMUNOLOGY AND IMMUNOCHEMISTRY	2	C	30	45
MLS 492	PRACTICAL EXERCISES IV	1	C		60
MLS 482	MEDICAL LABORATORY POSTING IV	2	C		-
GST 418	MORAL AND ETHICS	0	C		-
TOTAL		20			

**500 LEVEL
CLINICAL CHEMISTRY SPECIALITY**

FIRST SEMESTER.					
Code	Course Title	Credit Unit	Status	LH	PH
MLS 501	GENERAL LAB. INVESTIGATIONS OF EMERGING DISEASES.	2	C	30	-
MLS 503	MOLECULAR DIAGNOSIS & DIAGNOSTICS	2	C	30	45
MLS 505	SEMINAR	2	C	-	-
MLS 581	MEDICAL LABORATORY POSTING V	2	C	30	-
CPY 511	CLINICAL CHEMISTRY II	3	C	45	45
CPY 513	CLINICAL ENDOCRINOLOGY	3	C	45	45
CPY 515	CLINICAL ENZYMOLOGY & CARDIOVASCULAR DISEASES	3	C	45	45
GST. 511	MORAL AND ETHICS	0	C	--	-
TOTAL		17			

SECOND SEMESTER.					
Code	COURSE TITLE	Credit Unit	Status	LH	PH
MLS. 504	RESEARCH PROJECT & DEFENCE	6	C	-	-
CPY 512	CLINICAL TOXICOLOGY & PHARMACOLOGY	3	C	45	45
CPY 514	CLINICAL NUTRITION, VITAMINS & TRACE ELEMENTS.	2	C	30	45
CPY 516	ADVANCED CLINICAL CHEMISTRY III	3	C	45	45
MLS. 592	PRACTICAL	3	C	45	45
GST. 512	MORAL AND ETHICS	0	C	-	-
TOTAL		17			

500 LEVEL**HAEMATOLOGY & BLOOD GROUP SEROLOGY SPECIALITY**

FIRST SEMESTER.					
Code	COURSE TITLE	Credit Unit	Status	LH	PH
MLS 501	GENERAL LAB. INVESTIGATIONS OF EMERGING DISEASES	2	C	30	-
MLS 503	MOLECULAR DIAGNOSIS & DIAGNOSTICS	2	C	30	45
MLS 505	SEMINAR	2	C	-	-
MLS 581	MEDICAL LABORATORY POSTING V	2	C	30	-
HAEM. 521	HAEMATOLOGY II	3	C	45	45
HAEM. 526	BLOOD GROUP SEROLOGY I	3	C	45	45
HAEM. 523	ADV. HAEMATOLOGICAL TECHNIQUES	3	C	45	45
GST. 511	MORAL AND ETHICS	0	C	45	-
TOTAL		17			

SECOND SEMESTER.					
Code	Course Title	Credit Unit	Status	LH	PH
MLS. 506	CYTOGENETICS	2	C	30	45
MLS. 504	RESEARCH PROJECT & DEFENCE	6	C	45	-
MLS. 592	PRACTICAL	3	C	-	60
HAEM 522	BLOOD GROUP SEROLOGY II	3	C	45	45
HAEM 524	BLOOD GROUP SEROLOGY III	3	C	45	45
GST. 512	MORAL AND ETHICS	0	C	-	-
TOTAL		17			

**500 LEVEL
HISTOPATHOLOGY SPECIALITY**

FIRST SEMESTER.					
Code	Course Title	Credit Unit	Status	LH	PH
MLS 501	GENERAL LAB. INVESTIGATIONS OF EMERGING DISEASES	2	C	30	
MLS 503	MOLECULAR DIAGNOSIS & DIAGNOSTICS	2	C	30	45
MLS 505	SEMINAR	2	C	-	-
MLS 581	MEDICAL LABORATORY POSTING V	2	C	30	-
PTH 531	HISTOPATHOLOGY 11.	3	C	45	45
PTH 535	CYTOPATHOLOGY	3	C	45	45
GST. 511	MORAL AND ETHICS	0	C	-	-
TOTAL		17			

SECOND SEMESTER					
Code	Course Title	Credit Unit	Status	LH	PH
MLS. 506	CYTOGENETICS	2	C	30	45
MLS. 504	RESEARCH PROJECT & DEFENCE	6	C	-	-
MLS. 592	PRACTICAL	3	C	-	60
PTH 534	ADVANCED HISTOPATHOLOGY TECHNIQUES/ EMBALMENT.	3	C	45	45
PTH 536	MUSEUM TECHNIQUES.	3	C	45	45
GST. 512	MORAL AND ETHICS	0	C	-	-
TOTAL		17			

**500 LEVEL
MEDICAL MICROBIOLOGY SPECIALTY.**

FIRST SEMESTER.					
Code	Course Title	Credit Unit	Status	LH	PH
MLS 501	GENERAL LAB. INVESTIGATIONS OF EMERGING DISEASES	2	C	30	-
MLS 503	MOLECULAR DIAGNOSIS & DIAGNOSTICS	2	C	30	45
MLS 505	SEMINAR	2	C	-	-
MLS 581	MEDICAL LABORATORY POSTING V	2	C	-	-
MMB 541	SYSTEMATIC BACTERIOLOGY	2	C	30	45
MMB 543	ADV. PARASITOLOGY & TECHNIQUES.	1	C	15	45
MMB 545	MICROBIAL GENETICS	2	C	30	45
MMB 547	MEDICAL MYCOLOGY	3	C	45	45
GST. 511	MORAL AND ETHICS	0	C	-	-
TOTAL		17			