

DEPARTMENT OF MICROBIOLOGY

100 LEVEL 1 ST SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
BIO 101	C	General Biology I	2	1	3	4
CHE 101	C	General Chemistry I	2	1	3	4
PHY 101	R	General Physics 1	2	1	-	3
PHY 103	R	General Physics III.	1	1	-	2
PHY 107	R	General Physics Laboratory I.	-	-	3	1
MTS 101	R	Introductory Mathematics I	2	1	-	3
GNS 101	R	Use of English I	1	1	-	2
GNS 103	R	Information Retrieval I	1	-	-	1
MEE 101	R	Engineering Drawing I	1	0	6	3
	Total					23

Key: R = Required(University and School)Courses, C= Core Courses & E: Elective Courses

100 LEVEL 2 ND SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
BIO 102	R	General Biology II	2	1	3	4
CHE 102	R	General Chemistry II	2	1	3	4
MTS 102	R	Introductory Mathematics II	2	1	-	3
PHY 102	R	General Physics II	2	1	-	3
MEE 102	R	Workshop Practice	0	0	6	2
GNS 102	R	Use of English II	1	1	-	2
PHY 108	R	General Physics Laboratory II.	0	0	3	1
GNS 106	R	Logic and Philosophy	1	1	-	2
	Total					21

200 LEVEL 1 ST SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
CSC 101	R	Introduction to Computer Science	1	0	3	2
BIO 201	R	Introductory Genetics	2	1	3	4
MCB 201	C	General Microbiology 1	2	0	3	3
BCH 201	R	General Biochemistry I	2	0	3	3
CHE 201	R	Inorganic Chemistry I.	1	0	3	2
CHE 203	R	Organic Chemistry I	1	0	3	2
CHE 205	R	Physical Chemistry I	1	0	3	2
GNS 201	R	Man and His Environment	1	1	0	2
CSP 201	R	General Agriculture (Theory)	1	0	0	1
	Total					22

<i>Audited Courses for Direct Entry Students</i>						
GNS 101	R	Use of English I	1	1	0	2
GNS 103	R	Information Retrieval	1	0	0	1
MEE 101	R	Engineering Drawing I	1	0	6	3

200 LEVEL 2 ND SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
MCB 202	C	General Microbiology II	2	0	3	3
MCB 204	C	Microbiological techniques	1	0	3	2

BIO 202	R	Introductory Ecology	2	0	0	2
CHE 202	R	Analytical Chemistry I	1	0	3	2
PMT 202	R	Principles of Economics	2	1	0	3
CSC 102	R	Introduction to Computing	2	0	3	3
CSP 210	R	General Agriculture (Practical)	0	0	6	2
BCH 202	R	General Biochemistry II	2	0	3	3
	Total					20

University Required Courses for Direct Entry Students						
MEE 102	R	Workshop practice	0	-	6	2
GNS 102	R	Use of English II	1	1	-	2
GNS 106	R	Logic and Philosophy	1	1	-	2

300 LEVEL 1 ST SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
MCB 301	C	Bacteriology	2	0	3	3
MCB 303	C	Microbial Genetics	2	0	3	3
MCB 305	C	Molecular Biology	2	0	3	3
MCB 307	C	Pathogenic Microbiology	2	0	3	3
CSC 201	R	Introduction to Fortran Programming	2	0	3	3
CHE 315	R	Instrumental Methods	1	0	3	2
BIO 203	R	General Physiology	2	0	0	2
EMT 301	R	Introduction to Entrepreneurship	2	0	0	2
	Total					21
Electives						
BCH 301	E	Intermediary Metabolism	3	1	0	4
BCH 305	E	Nutritional Biochemistry	1	0	0	1

300 LEVEL 2 ND SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
MCB 302	C	General Virology	2	0	3	3
MCB 304	C	Environmental Microbiology	2	0	3	3
MCB 306	C	Mycology	2	0	3	3
MCB 308	C	Microbial Physiology and Metabolism	2	0	3	3
EMT 302	C	Practical Skills in Entrepreneurship	0	0	9	3
MCB 312	C	General Parasitology	2	0	3	3
MTS 224	R	Statistics for Biological Sciences	2	0	3	3
	Total					21

400 LEVEL 1 ST SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
MCB 401	C	Industrial Microbiology	3	0	3	4
MCB 403	C	Pharmaceutical Microbiology	2	0	3	3
MCB 405	C	Analytical Microbiology and Quality control	2	0	3	3
MCB 407	C	Immunology and Immunochemistry	3	0	3	4
MCB 409	C	Food Microbiology	2	0	3	3
MCB 411	C	Aquatic Microbiology	2	0	3	3
PMT 319	R	Managerial Economics	2	0	3	3

	Total					23
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400 LEVEL 2 ND SEMESTER LONG VACATION (SIWES)						
COURSE CODE		COURSE TITLE	L	T	P	Units
MCB 402	C	Industrial Training Assessed by Industrial based Supervisors				4
MCB 404	C	Industrial Training Assessed by FUTA Supervisors				4
MCB 406	C	Student's Report and Seminar presentation				4
		Total				<u>12</u>

500 LEVEL 1 ST SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
MCB 503	C	Petroleum Microbiology	2	0	3	3
MCB 505	C	Principles of Epidemiology & Public Health	2	0	3	3
MCB 507	C	Plant Pathology	2	0	3	3
MCB 509	C	Intro. Fermentation Technology	2	0	3	3
MCB 515	C	Applied Parasitology	2	0	3	3
MCB 599	C	Final Year Student's Project	0	0	18	6
		Total				21
Electives						
BCH 409	E	Advanced Biochemical Methods	0	0	6	2
BCH 501	E	Bio-illustration	1	0	3	2
BIO 511	E	Soil Ecology	2	0	3	3
BIO 507	E	Applied Vector & Pest Management	2	0	3	3

500 LEVEL 2 ND SEMESTER						
COURSE CODE		COURSE TITLE	L	T	P	Units
MCB 502	C	Food Processing	2	0	3	3
MCB 504	C	Microbial	2	0	3	3
MCB 506	C	Principles of Host Parasite Interactions	2	0	3	3
MCB 508	C	Neutraceuticals	1	0	3	2
MCB 510	C	Seminar	0	0	6	2
MCB 512	C	Soil Microbiology	2	0	3	3
		Total				16
Electives						
BCH 512	E	Process Biochemistry	3	0	0	3
CHE 506	E	Food Analysis	1	0	3	2
BIO 502	E	Applied Storage Techniques	2	0	3	3
BIO 508	E	Applied Vector & Pest Management	2	0	3	3