



CURRICULUM FOR B.Sc. (HONOURS) MICROBIOLOGY PROGRAMME

100 LEVEL HARMATTAN SEMESTER

CODE	COURSE TITLE	PRE-REQUISITE	UNITS	STATUS
BIO 101	Basic Biology I	-	3	C
BIO 107	Experimental Biology I	-	1	C
CHM 101	General Chemistry I	-	3	C
CHM 107	Experimental Chemistry I	-	1	C
MTH 101	General Mathematics I	-	3	C
PHY 101	General Physics I	-	3	C
PHY 107	Experimental Physics I	-	1	C
GNS 101	Use of English I	-	2	R
GNS 103	Use of Library	-	1	R
GNS 211	Basic French	-	2	R
	TOTAL		20	

C = Compulsory, R = Required, E = Elective

100 LEVEL RAIN SEMESTER

CODE	COURSE TITLE	PRE-REQUISITE	UNITS	STATUS
BIO 102	Basic Biology II	-	3	C
BIO 108	Experimental Biology II	-	1	C
CHM 102	General Chemistry II	-	3	C
CHM 108	Experimental Chemistry II	-	1	C
MTH 102	General Mathematics II	-	3	C
PHY 102	General Physics II	-	3	C
PHY 108	Experimental Physics II	-	1	C
GNS 102	Use of English II	-	2	R
GNS 104	Nigeria Peoples and Culture	-	2	R
GNS 212	Introduction to Information and Communication Technology	-	2	R
	TOTAL		21	

Total Units for 100 Level = 41

200 LEVEL HARMATTAN SEMESTER

CODE	COURSE TITLE	PRE-REQUISITE	UNITS	STATUS
BIO 201	General Ecology	-	2	C
BIO 207	Introductory Genetics and Cell Biology	-	2	C
CHM 205	Physical Chemistry I	-	2	C
CHM 207	Inorganic Chemistry I	-	2	C
CHM 291	Experimental Physical/Inorganic Chemistry	-	1	C
MCB 201	General Microbiology I	-	3	C
MCB 203	Introductory Virology	-	2	C
STA 229	Statistics for Agricultural and Biological Sciences Students	-	3	C
BCH 201	General Biochemistry I	-	3	C
GNS 203	Introduction to Entrepreneurial Skills	-	2	R
	TOTAL		22	

200 LEVEL RAIN SEMESTER

CODE	COURSE TITLE	PRE-REQUISITE	UNITS	STATUS
BIO 202	Biological Techniques	-	2	C
BIO 204	General Physiology	-	2	C
CHM 202	Organic Chemistry I	-	2	C
CHM 292	Experimental Physical/Organic Chemistry	-	1	C
MCB 202	General Microbiology II	MCB 201	3	C
MCB 204	Introduction to Food Science	-	2	C
ZOO 202	Invertebrate Zoology	-	3	C
BCH 202	General Biochemistry II	-	3	C
GNS 204	Logic and Philosophy	-	2	R
	Elective	-	2	E
	TOTAL		22	
Elective:				
MCB 208	Introduction to Biotechnology	-	2	E

Total Units for 200 Level = 44

300 LEVEL HARMATTAN SEMESTER

CODE	COURSE TITLE	PRE-REQUISITE	UNITS	STATUS
MCB 301	Bacteriology	-	3	C
MCB 303	Soil Microbiology	-	3	C
MCB 305	Microbial Genetics and Molecular Biology	-	3	C
MCB 307	Mycology	-	3	C
MCB 309	Food Microbiology	-	3	C
MCB 311	Microbial Ecology	MCB 201	3	C
ZOO 301	Parasitology I	ZOO 202	3	C
	Elective	-	2	E
	TOTAL		23	
Elective: one of the following				
PBO 415	Introduction to Mushroom Growing Technology	-	2	E
ZOO 419	Introduction to Nematology		2	E

300 LEVEL RAIN SEMESTER

CODE	COURSE TITLE	PRE-REQUISITE	UNITS	STATUS
MCB 399	Student Industrial Work Experience Scheme (SIWES)	-	6	C
	TOTAL		6	

Total Units for 300 Level = 29

400 LEVEL HARMATTAN SEMESTER

CODE	COURSE TITLE	PRE-REQUISITE	UNITS	STATUS
MCB 401	Immunology and Immunochemistry	-	3	C
MCB 403	Principles of Epidemiology and Public Health	-	3	C
MCB 405	Pharmaceutical Microbiology	-	3	C
MCB 407	Pathogenic Microbiology	-	3	C
MCB 409	Environmental Microbiology	MCB 311	3	C
MCB 411	Microbiological Quality Assurance	-	2	C
MCB 421	Seminar Presentation	-	2	C
	TOTAL		19	

400 LEVEL RAIN SEMESTER

CODE	COURSE TITLE	PRE-REQUISITE	UNITS	STATUS
MCB 402	Virology and Tissue Culture	MCB 203	3	C
MCB 404	Industrial Microbiology	MCB 201	3	C
MCB 406	Petroleum Microbiology	-	3	C
MCB 408	Microbial Physiology and Metabolism	-	3	C
MCB 410	Biodeterioration	-	2	C
MCB 499	Research Project	-	6	C
	TOTAL		20	

Total Units for 400 Level = 39

B.Sc. Microbiology CCMAS Curriculum**100 LEVEL HARMATTAN SEMESTER**

Course Code	Course Title	Unit	Status	LH	PH
GST 111	Communication in English	2	C	15	45
BIO 101	General Biology I	2	C	30	-
BIO 107	General Biology Practical I	1	C	-	45
CHM 101	General Chemistry I	2	C	30	-
CHM 107	General Chemistry Practical I	1	C	-	45
COS 101	Introduction to Computing Sciences	3	C	30	45
MTH 101	Elementary Mathematics I	2	C	30	-
PHY 101	General Physics I	2	C	30	-
PHY 107	General Physics Practical I	1	C		
UNIOSUN – MCB 101	Introduction to Microbiology	2	C	15	45
Total		18			

100 LEVEL RAIN SEMESTER

Course Code	Course Title	Unit	Status	LH	PH
GST 112	Nigerian Peoples and Culture	2	C	30	-
BIO 102	General Biology II	2	C	30	-
BIO 108	General Biology Practical II	1	C	-	45
CHM 102	General Chemistry II	2	C	30	-
CHM 108	General Chemistry Practical II	1	C	-	45
MTH 102	Elementary Mathematics II	2	C	30	-
PHY 102	General Physics II	2	C	30	-
PHY 108	General Physics Practical II	1	C	-	45
UNIOSUN – MCB 102	Introduction to Microbiology Laboratory Ethics and Practices	2	C	15	45
UNIOSUN – MCB 104	Microbiology Laboratory Skills and Biosafety	2	C	15	45
Total		17			