



UNIVERSITY OF EMBU

Office of the Chairman
(Department of Education)
Unit allocation for Sem 1 2022/2023

A. B.Ed. (Arts) and B.Ed. (Science)

Yr	Sem	Subject	Unit Code	Unit Title
1	1	Common	CCS101	Communication Skills
1	1	Common	CCS103	HIV/AIDS
1	1	Educ.	EPS101	Introduction to Psychology
2	1	Educ.	EAP201	Curriculum Development
2	1	Educ.	EFD203	Philosophy of Education
2	1	Educ.	EPS202	Educational Psychology
3	1	Educ.	ECT301	Instructional Technology
3	1	Educ.	EFD302	Comparative & Contemporary Issues in Education
4	1	Educ.	EAP401	Educational Planning
4	1	Educ.	EPS401	Guidance and Counseling
1	1	Agric.	BET103	Principles of Microeconomics
1	1	Agric.	ACH101	Chemistry for Agricultural Sciences
2	1	Agric.	ACS201	Principles of Crop Production
2	1	Agric.	AEN201	Power Systems and Machinery for Agriculture
3	1	Agric.	ACS301	Field Crops
3	1	Agric.	AEC301	Farm Management
4	1	Agric.	ACS410	Biotechnology
4	1	Agric.	AEX407	Soil Fertility and Water Management
1	1	Biolog.	SZL101	Invertebrate Zoology
1	1	Biolog.	SZL103	Fundamentals of Ecology
2	1	Biolog.	SBT203	Plant Ecology
2	1	Biolog.	SZL201	Cell Biology
3	1	Biolog.	SBT302	Plant Physiology (Core for all)
3	1	Biolog.	SZL310	Theoretical Ecology (Core for regulars and majors)
3	1	Biolog.	SZL312	Entomology (core for majors)
4	1	Biolog.	SZL404	History and Philosophy of Biology (core for all)
4	1	Biolog.	SZL401	Environmental Biology and Conservation (core for regulars and majors)
4	1	Biolog.	SZL407	Applied Parasitology (core for majors)
1	1	Business	BBA101	Introduction to Business
1	1	Business	BET103	Principles of Microeconomics
2	1	Business	BAC207	Fundamentals of Accounting II

2	1	Business	BMS211	Quantitative Techniques for Business
3	1	Business	BBA303	Business Law
3	1	Business	BFI331	Risk Management and Insurance
4	1	Business	BAE417	Economic Development and Planning
4	1	Business	BMS411	Business Research Methods

1	1	Chemistry	SCH101	General and Inorganic Chemistry
1	1	Chemistry	SCH103	General and Physical Chemistry
2	1	Chemistry	SCH201	Chemistry of the Main Block Elements
2	1	Chemistry	SCH202	The Chemistry of Alkyl Halides, Alcohols, Ethers, Alkenes, Alkynes and Aromatic Compounds
2	1	Chemistry	SCH203	Physical Chemistry II
3	1	Chemistry	SCH302	Stereochemistry and Synthesis of Organic Compounds (core for all)
3	1	Chemistry	SCH306	Spectroscopy as applied to Organic Chemistry (core for regulars and majors)
3	1	Chemistry	SCA301	Instrumental Methods of Analysis I (Elective for Majors)
3	1	Chemistry	SCA303	Separation Techniques and Chromatography (Elective for Majors)
4	1	Chemistry	SCH405	Further Chemical Kinetics and Electrochemistry (core for all)
4	1	Chemistry	SCH402	Heterocyclic Chemistry (core for regulars and majors)
4	1	Chemistry	SCA404	Thermal Analysis and Polymer Characterization Methods (Elective for Majors)
4	1	Chemistry	SCI406	Material Science (Elective for Majors)
1	1	Computer	CSC111	Introduction to Computer Systems
1	1	Computer	CSC112	Introduction to Programming
2	1	Computer	CSC211	Data Structures and Algorithms
2	1	Computer	CSC212	Systems Analysis and Design
3	1	Computer	CSC313	Foundations of Human-Computer Interaction (core for all)
3	1	Computer	CSC315	Distributed Systems (core for regulars and majors)
3	1	Computer	CSC314	Computer Graphics (core for majors)
1	1	CRE	HPR101	Introduction to Philosophy
1	1	CRE	HPR103	Comparative Religion
2	1	CRE	HRP201	Philosophy of Religion
2	1	CRE	HRP203	Introduction to African Religion and Culture
3	1	CRE	HRP301	Origin and Development of Christianity
3	1	CRE	HRP303	Origin and Development of Islam
4	1	CRE	HRP401	Contemporary Philosophy
4	1	CRE	HRP403	Christianity in East Africa
1	1	English	HEL101	Introduction to Linguistics
1	1	English	HEL102	Basic Phonetics and English Phonology
2	1	English	HEL201	Listening and Speaking Skills in English
2	1	English	HEL202	Reading and Writing Skills in English
3	1	English	HEL301	Discourse Analysis
3	1	English	HEL302	Syntax I
4	1	English	HEL401	Syntax II
4	1	English	HEL402	Advanced English Phonology

1	1	Geog	HGE101	Introduction to Physical Geography
1	1	Geog	HGE103	Introduction to Human Geography
2	1	Geog	HGE201	Geography of Africa
2	1	Geog	HGE202	Natural Resources Management

3	1	Geog	HGE301	Map and Image Interpretation
3	1	Geog	HGE303	Population Geography
4	1	Geog	HGE401	Urban Geography
4	1	Geog	HGE403	Regional Development and Planning
1	1	History	HHP101	Themes in African History up to 1885
1	1	History	HHP103	Kenya Government and Politics
2	1	History	HHP201	Themes in East African History
2	1	History	HHP203	The National Bureaucracy of Kenya
3	1	History	HHP301	Selected Topics in World History
3	1	History	HHP303	International Relations
4	1	History	HHP401	Comparative Studies in Imperialism and Nationalism
4	1	History	HHP403	Methods of Historical Research
1	1	Kiswahili	HKS101	Communication Skills in Kiswahili
1	1	Kiswahili	HKS103	Historical Development of Kiswahili
2	1	Kiswahili	HKS201	Introduction to Kiswahili Literature
2	1	Kiswahili	HKS203	General Phonetics and Kiswahili Phonology
3	1	Kiswahili	HKS301	Theory of Syntax in Kiswahili
3	1	Kiswahili	HKS303	Literary Theory and Analysis
4	1	Kiswahili	HKS401	Research Methods in Kiswahili
4	1	Kiswahili	HKS403	Semantics, Pragmatics and Discourse Analysis
1	1	Literature	HLS101	Introduction to Literature
1	1	Literature	HLS102	Introduction to Oral Literature
2	1	Literature	HLS201	Language Use in Literature
2	1	Literature	HLS202	Theories and Concepts in Oral Literature
3	1	Literature	HLS301	Research Methods and Fieldwork in Literature
3	1	Literature	HLS302	South African Literature
4	1	Literature	HLS401	West African Literature
4	1	Literature	HLS402	European Literature
1	1	Maths	SMA101	Basic Mathematics
1	1	Maths	SMA103	Calculus I
2	1	Maths	SMA203	Linear Algebra I
2	1	Maths	STA201	Probability and Statistics I
3	1	Maths	SMA301	Real Analysis I (core for all)
3	1	Maths	SMA303	Algebra I (core for regulars and majors)
3	1	Maths	SMA310	Introduction to Numerical Analysis (core for majors)
3	1	Maths	STA301	Probability and Statistics II (Optional)
3	1	Maths	STA303	Theory of Estimation (Optional)

4	1	Maths	SMA401	Topology I (core for all)
4	1	Maths	SMA425	First Order Partial Differential Equations (core for regulars & majors)
4	1	Maths	SMA403	Measure Theory (core for majors)
4	1	Maths	STA401	Measure, Probability and Integration (Optional)
4	1	Maths	STA403	Nonparametric Methods (Optional)
4	1	Maths	STA407	Design and Analysis of Experiments I (Optional)

1	1	Physics	SPH101	Mechanics I
1	1	Physics	SPH103	Waves and Optics
2	1	Physics	SPH201	Mechanics II
2	1	Physics	SPH202	Electricity and Magnetism II
3	1	Physics	SPH304	Electrodynamics I (core for all)
3	1	Physics	SPH305	Classical Mechanics (core for regulars and majors)
3	1	Physics	SPH306	Mathematical Physics II (core for majors)
4	1	Physics	SPH405	Electrodynamics II (core for all)
4	1	Physics	SPH401	Atomic Physics (core for regulars and majors)
4	1	Physics	SPH409	Quantum Mechanics II (core for majors)

B. PGDE

Unit Code	Unit Title
EAP 501	Curriculum Development
EAP 503	Educational Planning
ECT 501	General Instructional Methods
ECT 502	Instructional Technology
EFD 504	Comparative & Contemporary Issues in Education
EPS 501	Developmental Psychology
EPS 502	Guidance and Counseling
EPS 503	Research Methods

C. M.Ed. (Educational Administration & Planning)

Unit Code	Unit Title
EAP 701	Statistics for Educational Research
EAP 702	Research Methods in Education
EAP 707	Policies in Educational Planning
EAP 708	Organizational Behavior in Education
EAP 710	Theories and Concepts in Educational Planning