MSC. PROGRAMME STRUCTURE

Microbiology

Core units
SBT 501: Advanced Biostatistics
SBT 500: Data Management and Communication
SBT 588: Advanced Mycology
SBT 503: Advanced Virology
SBT 504: Advanced Bacteriology
SBT 505: Molecular Genetics

Elective units

Medical Microbiology Option
SBT 506: Pathogenic Microbiology
SBT 507: Immunology and Serology
SBT 508: Animal Virology
SBT 509: Advanced Pathogenic Microbiology
SBT 510: Dental Microbiology
Environmental Microbiology Option
SBT 511: Environmental Microbiology
SBT 512: Water Resources and Water Pollution
SBT 513: Waste Management
SBT 514: Biotechnological Aspects of Microbial Ecology
Agricultural Microbiology Option
SBT 515: Applied Microbiology
SBT 516: Soil Microbiology
SBT 517: Microbial Pesticides
Industrial Microbiology Option
SBT 518: Microbial Physiology
SBT 519: Fermentation Microbiology
SBT 520: Pharmaceutical Technology
SBT 521: Food Microbiology

Genetics

Core units
SBT 501: Advanced Biostatistics
SBT 500: Data Management and Communication
SBT 502: Advanced Botanical Techniques
Elective units
SBT 532: Developmental Genetics
SBT 533: Population Genetics
SBT 534: Genome Organization and Regulation
SBT 535: Principles of Genetic Analysis
SBT 536: Recombinant DNA and Gene Manipulation
SBT 537: Human Genetics

SBT 538: Biotechnology of Genetic Analysis
SBT 539: Special Topics in Genetics

Plant Physiology and Biochemistry

Core units
SBT 501: Advanced Biostatistics
SBT 500: Data Management and Communication
SBT 502: Advanced Botanical Techniques
Elective units
SBT 560: The Physiology of Plant Growth and Development
SBT 561: Plant Water Relations
SBT 562: Photosynthesis
SBT 563: Ecophysiology
SBT 564: Biochemistry of Plant Production
SBT 565: Biopolymers
SBT 566: Special Topics in Plant Physiology and Biochemistry

Plant Pathology

Core units
SBT 501: Advanced Biostatistics
SBT 500: Data Management and Communication
SBT 502: Advanced Botanical Techniques
Elective units
SBT 587: Advanced Plant Breeding
SBT 588: Advanced Mycology
SBT 589: Plant Virology
SBT 590: Advanced Plant Pathology
SBT 591: Plant Bacterial Diseases
SBT 592: Plant Nematology
SBT 593: Seed Pathology
SBT 594: Epidemiology and Plant Disease Management
SBT 595: Special Topics in Plant Pathology

Plant Ecology

Core units
SBT 501: Advanced Biostatistics
SBT 500: Data Management and Communication
SBT 502: Advanced Botanical Techniques
Elective units
SBT 616: Dynamics of Plant Communities
SBT 617: Ecological Techniques
SBT 618: Ecology of Fresh Water Macrophytes
SBT 619: Ecology of Freshwater Macrophytes
SBT 620: Marine Vegetation
SBT 621: Ecology of Phytoplankton
SBT 622: Special Topics in Plant Ecology
SBT 672: Plant Communities of East Africa

Developmental Botany

Core units
SBT 501: Advanced Biostatistics
SBT 500: Data Management and Communication
SBT 502: Advanced Botanical Techniques
Elective units
SBT 643: Advanced Morphogenesis and Developmental Anatomy
SBT 644: Reproductive Botany
SBT 645: Research Methods in Developmental Botany
SBT 646: Special Topics in Developmental Botany
SBT 532: Developmental Genetics
SBT 560: The Physiology of Plant Growth and Development
SBT 538: Biotechnology of Genetic Analysis
SBT 538: Biotechnology of Genetic Analysis

Plant Taxonomy

Core units
SBT 501: Advanced Biostatistics
SBT 500: Data Management and Communication
SBT 667: Advanced Nomenclature and Classification
SBT 668: Herbarium Techniques and Identification
Elective units
SBT 669: Advanced Taxonomy
SBT 670: Climatology
SBT 671: Evolution, Speciation and Quantitative Genetics
SBT 672: Plant Communities of East Africa
SBT 673: Phytogeography and Palaeoecology
SBT 674: Reproductive Botany
SBT 675: The Flora of East Africa
SBT 676: Special Topics in Taxonomy

Ethnobotany

Core units
SBT 501: Advanced Biostatistics
SBT 500: Data Management and Communication
SBT 697: General Taxonomy
SBT 698: Introduction to Useful Plants
Elective units
SBT 564: Biochemistry of Plant Production
SBT 700: Medicinal Plants
SBT 701: Food Plants and Food Additives
SBT 702: Ornamental Plants
SBT 703: Plant Domestication
SBT 704: Forensic Botany
SBT 705: Commercial Utilization of Plants
SBT 706: Special Topics in Ethnobotany