



UNIVERSITY OF KERALA

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College Basket

May 15, 2024, 1:50 a.m.

College : Kumbalathu Sankupillai Memorial Devaswom Board College (104)
Year of admission : Batch 2024
Discipline : FYUGP Botany

Category	Course Code	Course Name	Entered by	Entered on	Description
Semester: 1					
DSC	UK1DSCBOT101	Plant World I (Mandatory)	University of Kerala	Thu, 02 May 2024 12:02:38 GMT	The course gives an all-round awareness of plants, their evolution, and how they respond to the environment. Kick-starting the process of scientific inquiry in students by observation of nature and recording its diversity along with problem solving and reporting of scientific data using digital tools and techniques is also envisaged.
DSC	UK1DSCBOT102	Introductory Botany	DHANYA S R	Tue, 07 May 2024 11:15:53 GMT	Students can study plants and their biology, including how they grow and adapt to their

					environment. The history of Botany and also different branches within botany focus on specific areas of plant biology.
DSC	UK1DSCBOT103	Fundamentals and Scope of Botany	DHANYA S R	Tue, 07 May 2024 11:19:07 GMT	Students can study plants and their biology, including how they grow and adapt to their environment. The history of Botany and also different branches within botany focus on specific areas of plant biology.
MDC	UK1MDCBOT101	Landscaping and Gardening	DHANYA S R	Tue, 07 May 2024 11:19:52 GMT	Through this course, students will acquire knowledge about gardening and landscaping as a growing business venture. They will understand the growing demand in present day. The course may motivate the students to get into gardening and landscaping startups.
Semester: 2					
DSC	UK2DSCBOT101	Plant World II (Mandatory)	University of Kerala	Thu, 02 May 2024 12:02:38 GMT	The purpose of this course is to demonstrate that Plant Science students will have met all learning outcomes in the major course, prior to passing to the next semester by observing, critically evaluating and documenting relevant in-

				class and co-curricular activities. Preparatory work will include observing and learning from a diversity of activities, including theoretical sessions, field observations and laboratory sessions. Career pathways and higher research options will be introduced enabling
DSC	UK2DSCBOT103	Reproductive Botany and Microtechnique	DHANYA S R	<p>Tue, 07 May 2024 11:22:44 GMT</p> <p>Reproductive Botany covers the study of plant reproduction, pollination, fertilization and seed development. Microtechnique involves microscopic methods for studying plant structures and processes. The course typically includes practical lab work, microscopy techniques and theoretical understanding of reproductive processes in plants.</p>
DSC	UK2DSCBOT104	Phycology, Mycology and Plant Pathology	DHANYA S R	<p>Tue, 07 May 2024 11:22:44 GMT</p> <p>Course includes general account on thallophytes such as algae, fungi, lichens and mycorrhiza. Each group discuss with its classification, distinguishing characters, economic importance.</p>

MDC	UK2MDCBOT103	Organic Farming	DHANYA S R	Tue, 07 May 2024 11:24:38 GMT	Students will understand and analyse the ill effects of conventional agricultural practices and appreciate the benefits of organic agriculture. They will apply the knowledge of methodology of organic farming in their home gardens. They will understand the global demand and premium price organic products fetch in the market. The course may motivate the students to get into Organic Farming and Marketing business ventures.
Semester: 3					
DSC	UK3DSCBOT201	Histology and Reproductive Botany (Mandatory)	University of Kerala	Thu, 02 May 2024 12:02:38 GMT	This course provides basic knowledge of plant internal architecture, cellular composition, and reproduction. This will also help them to understand how different plant tissue evolve and modify their structure and functions with respect to their environment.
DSC	UK3DSCBOT202	Floral Morphology, Systematic Botany and Ethnobotany	DHANYA S R	Tue, 07 May 2024 11:26:09 GMT	The course covers the external features of flowering plants and their systematic arrangement based on their similarities

					and evolutionary relationships and the economic importance of plant resources utilized for daily life.
DSC	UK3DSCBOT203	Bryophytes, Pteridophytes and Gymnosperms	DHANYA S R	Tue, 07 May 2024 11:26:09 GMT	To familiarize students the characteristic features and evolutionary significance of Bryophytes, Pteridophytes and Gymnosperms. To generate awareness about lifecycle of Bryophytes, Pteridophytes and Gymnosperms. To impart knowledge about ornamental ferns and gymnosperms
DSE	UK3DSEBOT201	Ethnobotany & IPR	DHANYA S R	Tue, 07 May 2024 11:27:46 GMT	Appreciate the need to conserve floristic and cultural diversity of the region. Rescue and document Ethnobotanicals for sustainable use of plant resources. Understand the need for development of new drugs for safe and more rational use of herbal preparations. Recognition of intellectual property rights and its benefit to people and society who share their knowledge and wisdom.
Semester: 4					

DSC	UK4DSCBOT201	Lower Cryptogams, Phytopathology and Microbiology (Mandatory)	University of Kerala	Thu, 02 May 2024 12:02:38 GMT	To familiarize the students with lower cryptogams, microbes , their diversity, structure, life cycle , economic and ecological significance .Students will get an idea about plant diseases and their management.
DSC	UK4DSCBOT202	Archegoniates and Paleobotany (Mandatory)	University of Kerala	Thu, 02 May 2024 12:02:38 GMT	To familiarize students the characteristic features and evolutionary significance of Bryophytes, Pteridophytes and Gymnosperms.To generate awareness about lifecycle of Bryophytes, Pteridophytes and Gymnosperms.
DSE	UK4DSEBOT201	Herbal Technology	DHANYA S R	Tue, 07 May 2024 11:29:51 GMT	This course gives the student the knowledge of basic understanding of herbal drug industry, the quality of raw material, guidelines for quality of herbal drugs, herbal cosmetics, natural sweeteners, nutraceutical etc.
INT	UK4INTBOT201	Research Project	DHANYA S R	Tue, 14 May 2024 17:03:06 GMT	
SEC	UK4SECBOT201	Mushroom Cultivation	Prof.(Dr.) K C PRAKASH	Tue, 14 May 2024 00:09:43 GMT	This SEC provides detailed tools and techniques about mushroom cultivation, its nutritional

					profile, various levels of management and its marketing so that students can earn through this acquired knowledge and skill.
Semester: 5					
DSC	UK5DSCBOT301	Angiosperm Morphology and Plant Systematics (Mandatory)	University of Kerala	Thu, 02 May 2024 12:02:38 GMT	The course "Morphology and Plant Systematics" covers the basics of plant structure and classification. It begins with an introduction to flowering plants and then examines the morphology of roots, stems, leaves, flowers, fruits, and seeds. Students will study and analyse how shape follows function, and how they help plants reproduce. The taxonomy section explains plant categorization, including the kingdom-to-species hierarchy. With herbarium and outdoor sessions, students will learn how to iden
DSC	UK5DSCBOT302	Plant Genetics (Mandatory)	University of Kerala	Thu, 02 May 2024 12:02:38 GMT	Course offers a comprehensive knowledge about the characters and its inheritance. The students gain the knowledge of history of genetics and its advancements.

DSC	UK5DSCBOT303	Cell biology and Evolutionary Biology (Mandatory)	University of Kerala	Thu, 02 May 2024 12:02:38 GMT	This course gives the basic idea of cell and its ultra structure which help to establish the relationship between structure and function of the different cell organelles/compartments. Topics under cell division, differentiation and death explains how growth and reproduction is regulated at cellular level. Cellular communication gives an idea about how cells communicate to function as an organism and interact with the environment. It also deals with the origin and evolution of life which explains
DSE	UK5DSEBOT302	Horticulture and Nursery Management	DHANYA S R	Tue, 07 May 2024 11:33:15 GMT	The course "Fundamentals of Horticulture and Propagation Techniques" provides students with a comprehensive understanding of essential horticultural principles, including soil management, irrigation techniques, and plant propagation methods such as cutting, layering, budding, and grafting. Through practical

					exercises and theoretical knowledge, students learn to apply these fundamentals in garden design, nursery management, and sustainable horticulture practices, preparing them for careers in the
DSE	UK5DSEBOT304	Plant Biotechnology	DHANYA S R	Tue, 07 May 2024 11:33:15 GMT	This course provides a detailed account of the requirements of a tissue culture lab and covers the major procedures and events in plant tissue culture and recombinant DNA technology with special attention to its scope and application. An outlook on functional genomics and conservation biotechnology was also incorporated.
Semester: 6					
DSC	UK6DSCBOT301	Plant Physiology (Mandatory)	University of Kerala	Thu, 02 May 2024 12:02:38 GMT	The course in plant physiology explores the physiological mechanisms that underpin plant life processes, including photosynthesis, respiration, nutrient assimilation, hormone action, and stress responses. It delves into the different pathways through a combination of lectures, laboratory

				experiments, and fieldwork; students gain a deep understanding of how plants convert light energy into chemical energy, manage resources, and respond to biotic and abiotic stresses.
DSC	UK6DSCBOT302	Environmental Science and Conservation Biology (Mandatory)	University of Kerala	Thu, 02 May 2024 12:02:38 GMT Fundamental concepts of ecosystems and ecosystem management are included in this course. Biodiversity management including threats, conservation strategies, legislations and international conventions are analysed in detail. The impact of society on the environment, and the role of humans in mitigating environmental problems are also introduced. Field studies and experiments will equip students to monitor and analyse ecological issues, in communities and bring out probable solutions.
DSC	UK6DSCBOT303	Biochemistry and Molecular Biology (Mandatory)	University of Kerala	Thu, 02 May 2024 12:02:38 GMT The course is designed to provide students with a comprehensive understanding of the fundamental molecules that make up living organisms and the molecular mechanisms that govern cellular

					processes. The students will explore key concepts in molecular biology, such as DNA replication, transcription, translation, and gene regulation.
DSE	UK6DSEBOT301	Plant Propagation and Crop Improvement	DHANYA S R	Tue, 07 May 2024 11:34:37 GMT	This course offers a comprehensive exploration of plant propagation methods, including seed and vegetative propagation, along with advanced techniques such as tissue culture. Additionally, it delves into crop improvement strategies encompassing traditional breeding methods, biotechnological approaches, and sustainable agricultural practices, providing students with a holistic understanding of enhancing crop productivity and agricultural sustainability.
DSE	UK6DSEBOT303	Modern Trends in Plant Systematics	DHANYA S R	Tue, 07 May 2024 11:34:37 GMT	The course provides a clear out look to students regarding the new approaches in taxonomy and its applications.
Semester: 7					
DSC	UK7DSCBOT401	Methodology in Biological Research	DHANYA S R	Tue, 07 May 2024	Methodology in Biological research is a comprehensive course

				11:38:28 GMT	designed to provide students with the necessary skills and knowledge to conduct scientific research in the fields of biology and related disciplines. The course covers essential topics in research design, data collection, statistical analysis, and interpretation of research findings. Emphasis is placed on understanding the principles of experimental design, data analysis techniques, and the application of biostatistics in biological re
DSC	UK7DSCBOT402	Plant Interaction and Defense Mechanism	DHANYA S R	Tue, 07 May 2024 11:38:28 GMT	The course provides a understanding of different levels of plant interactions and defence mechanism seen in plants. Students will learn effectiveness of plant defense strategies and developing critical thinking skills to evaluate the significance of plant defense mechanism in agriculture, ecology etc
DSE	UK7DSEBOT402	Industrial Tissue Culture	DHANYA S R	Tue, 07 May 2024 11:39:17 GMT	The course will make the student capable to become an entrepreneur. It deals with the opportunities of

				plant tissue culture especially 'micropropagation' as a business in the Indian context. It addresses areas of how one can start the tissue culture lab – the requirements like infrastructure, steps in micropropagation and problems faced at industrial level operations. It also deals with the certification system for quality assurance, virus indexing, logistics and marketing of tissue cultured pla
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Semester: 8

CIP	UK8CIPBOT401	Capstone Internship Project	DHANYA S R	Wed, 15 May 2024 01:44:40 GMT	
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