



UNIVERSITY OF KERALA

Re-accredited by NAAC with A++ GRADE

College Basket

May 18, 2024, 5:31 a.m.

College : V T M N S S College (145)
 Year of admission : Batch 2024
 Discipline : FYUGP Zoology

Category	Course Code	Course Name	Entered by	Entered on	Description
Semester: 1					
DSC	UK1DSCZOO101	Non-Chordate Diversity -Part I (Mandatory)	University of Kerala	Thu, 02 May 2024 12:02:38 GMT	This course provides the students with an in-depth knowledge and understanding of the diversity in form, structure and habits of acoelomata to pseudocoelomata. Through this course the student shall understand the diversity, biology, and ecological significance of invertebrate animals and gain appreciation for their crucial role in the natural world.(5 hrs per week)
DSC	UK1DSCZOO102	Diversity of Non-Chordates (Mandatory)	University of Kerala	Thu, 02 May 2024 12:02:38 GMT	This course offers students a comprehensive understanding of the varied forms, structures, and behaviours exhibited by invertebrate animals. Through exploration of the major groups

					of invertebrates, including arthropods, which dominate the planet's animal species, students gain insights into biodiversity. The course shall equip the learners with the necessary information to describe and appreciate biodiversity.(5 hrs per week)
DSC	UK1DSCZOO103	Wildlife Biology and Conservation	Dr. Gayathri Elayidam U	Sun, 12 May 2024 15:44:23 GMT	This course provides a foundational understanding of wildlife biology and conservation principles. It covers various aspects of wildlife biology including wildlife habitats, treats to wildlife, conservation strategies and wildlife monitoring and research. The course structure include lectures, discussions, practicals and fieldwork to provide the learner insights into the diversity of wildlife species, their habitats, threats, and conservation efforts.(5 hrs per week)
MDC	UK1MDCZOO101	Health and Sex Education	Dr. Gayathri Elayidam U	Sun, 12 May 2024 15:31:02 GMT	This course provides an extensive review of health, encompassing physical, mental, emotional, social, and spiritual well-being, along with factors affecting health such as diet, pathogens, pollution, sleep, exercise, and stress. It explores human reproductive physiology, covering the male and female reproductive systems, hormonal control,

					fertilization, pregnancy, lactation, puberty, adolescence, and senescence, while also addressing topics like contraception, assisted reproductive techniques, a
Semester: 2					
DSC	UK2DSCZOO101	Non-Chordate Diversity -Part II (Mandatory)	University of Kerala	Thu, 02 May 2024 12:02:38 GMT	This course provides the student with an in-depth knowledge of the diversity in form, structure and habits of coelomata. This course also provides students with a comprehensive understanding of the diverse world of invertebrates and the evolutionary significance of coelomates in the animal kingdom. Through lectures, discussions, and hands-on activities, students will gain insight into the remarkable adaptations and ecological roles of these fascinating organisms.(5 hrs per week)
DSC	UK2DSCZOO102	Wildlife Ecology	Dr. Gayathri Elayidam U	Sun, 12 May 2024 15:34:30 GMT	This course provides an exploration of wildlife ecology and behaviour, human-wildlife interactions, emphasizing the importance of understanding these dynamics in conservation planning. It covers aspects such as wildlife management techniques, human-wildlife conflict management, environmental impact assessment and research techniques, equipping them with practical skills to address

					real-world conservation challenges.(4 hrs per week)
DSC	UK2DSCZOO103	Aquatic Ecosystems and Sustainable Mangement	Dr. Gayathri Elayidam U	Sun, 12 May 2024 15:34:30 GMT	This course shall provide a comprehensive understanding of structure function and dynamics of aquatic ecosystem and enable the student to understand and analyse the interrelations and importance of biotic and abiotic factors. This course is designed to understand and explore the impact of human activities on aquatic ecosystem. The course also covers principles and strategies for sustainable management of aquatic resources, focusing on conservation and restoration. (4hrs per week)
MDC	UK2MDCZOO101	Global Climate Change	Dr. Gayathri Elayidam U	Sun, 12 May 2024 15:34:48 GMT	This course will develop a comprehensive understanding of Earth system dynamics, climate change impacts, mitigation strategies, and international agreements aimed at addressing global environmental challenges. The learner shall be equipped to analyse environmental data, assess ecological health, and contribute to sustainable practices and policy decisions related to climate change and environmental protection.(3 hrs per week)
Semester: 3					
DSC	UK3DSCZOO201	Chordate Diversity -Part I (Mandatory)	University of Kerala	Thu, 02 May 2024 12:02:38	This course provides a comprehensive overview of

				GMT	chordates, from the tunicates to the amphibians. The key points covered in this course are salient features of chordates, classical classification, cladogram, and exciting examples. Exciting topics on air-breathing fishes, migratory fishes, blind fishes, endemic fishes, and invasive alien fishes are also included. Through lectures and hands-on activities, the student gain a deeper appreciation for chordates' remarkable diversity, evolutionary hist
DSC	UK3DSCZOO202	Diversity of Chordates (Mandatory)	University of Kerala	Thu, 02 May 2024 12:02:38 GMT	This course leads the learner into the captivating world of chordates, with animals ranging from fish to mammals. Through engaging lectures and practical sessions, students explore the anatomical, physiological, and ecological intricacies of chordates. The course also delves into evolutionary relationships among chordate taxa, shedding light on the fascinating journey of life from primitive sea creatures to complex terrestrial vertebrates. With hands-on activities, and interactive discussions, t
DSC	UK3DSCZOO205	Human Parasitology and Vector-borne Diseases	Dr. Gayathri Elayidam U	Sun, 12 May 2024 15:35:43 GMT	This course provides the student with a comprehensive understanding of human parasitology and vector-borne diseases. Through lectures,

					laboratory sessions, and fieldwork, students will explore the fundamental concepts, epidemiology, transmission, and control strategies related to various parasitic organisms and vector-borne diseases affecting human populations.(5 hrs per week)
DSE	UK3DSEZOO203	Environmental Science I- Global Environmental Issues	Dr. Gayathri Elayidam U	Sun, 12 May 2024 15:45:18 GMT	This provides a comprehensive overview of the significant environmental challenges facing the planet today. It examines the complex interactions between human activities and the natural environment, focusing on climate change, biodiversity loss, pollution, resource depletion, and habitat destruction. Through a multidisciplinary approach, students explore these issues' scientific, social, economic, and political dimensions and analyse potential solutions to address them(4 hrs per week).
VAC	UK3VACZOO201	Nutrition,Health and Wellness	DR. ANANDAKUMAR V M	Sun, 12 May 2024 15:49:49 GMT	This course provides a comprehensive understanding of nutrition and wellness, nutritional requirements for healthy life, importance of dietary fibre and water in diet and malnutrition. Students will gain a knowledge about health benefits through regular exercise, stress management and relaxation techniques that

					enable them to lead a healthy life.(4 hrs per week)
Semester: 4					
DSC	UK4DSCZOO201	Chordate Diversity -Part II (Mandatory)	University of Kerala	Thu, 02 May 2024 12:02:38 GMT	This provides an in-depth exploration of reptiles, birds, mammals, and primates. It covers general characteristics, classification, and examples of reptiles, as well as the phylogeny of Clade Sauropsida. The course also examines egg-laying, pouched, and placental mammals, along with a dedicated section on primates and animals from extreme environments. Through lectures, activities, and field visits, students gain a comprehensive understanding of chordates' diversity and adaptations.(5 hrs per we
DSC	UK4DSCZOO202	Evolution and Zoogeography (Mandatory)	University of Kerala	Thu, 02 May 2024 12:02:38 GMT	This course provides a comprehensive understanding of evolutionary biology, including classical and modern concepts, human evolution, and zoogeography, enabling students to grasp the complex mechanisms and patterns of life's diversity on Earth. (5 hrs per week)
DSE	UK4DSEZOO203	Environmental Science II- Environmental Pollution	Dr. Gayathri Elayidam U	Sun, 12 May 2024 15:37:03 GMT	This course covers the comprehensive study of air, water, soil, noise, and light pollution, including their sources, impacts, and mitigation strategies. Students will explore the concepts, standards, and pollutants

					associated with each type of pollution, along with their effects on human health, wildlife, and ecosystems. Through case studies, students will analyse real-world scenarios, identifying successful management approaches and ongoing challenges. By examining the pathways of contamination
INT	UK4INTZOO200	Summer Internship	Dr. Gayathri Elayidam U	Wed, 15 May 2024 03:08:28 GMT	
SEC	UK4SECZOO201	Livestock Management	DR. ANANDAKUMAR V M	Sun, 12 May 2024 15:50:38 GMT	This course provides a comprehensive understanding of livestock management, covering aspects from breeding and nutrition to disease control, funding opportunities, and business ventures in the livestock industry.(4 hrs per week)
VAC	UK4VACZOO201	Communcation and Popularisation of Life Science	DR. ANANDAKUMAR V M	Sun, 12 May 2024 15:50:21 GMT	This course equip the students with essential knowledge and skills for effectively communicating life sciences topics(4 hrs per week).
VAC	UK4VACZOO202	Bioeconomics and Ecotourism	DR. ANANDAKUMAR V M	Sun, 12 May 2024 15:50:21 GMT	The course provides an interdisciplinary exploration of the intersections between biology, economics, and tourism .It help students to understand the significance of ecotourism in promoting sustainable use of natural resources and conservation of biodiversity.(3 hrs per week)

Semester: 5					
DSC	UK5DSCZOO301	Developmental Biology (Mandatory)	University of Kerala	Thu, 02 May 2024 12:02:38 GMT	This course explores the intricate processes governing organisms' growth, differentiation, and morphogenesis from gametes to organism. Key topics in this course include historical perspectives, gametogenesis, fertilization, fate mapping, potency, and regeneration. Advanced concepts such as prenatal diagnostics, in vitro fertilization, and cryopreservation are also covered.(5 hrs per week)
DSC	UK5DSCZOO302	Animal Physiology (Mandatory)	University of Kerala	Thu, 02 May 2024 12:02:38 GMT	This course provides a comprehensive overview of essential topics in animal physiology, covering areas such as nutrition, respiratory physiology, cardiovascular function, renal physiology, muscle physiology, nerve physiology, endocrinology, and reproductive physiology.(5 hrs per week)
DSC	UK5DSCZOO303	Microbiology and Immunology	Dr. Gayathri Elayidam U	Sun, 12 May 2024 15:38:25 GMT	This course delves into the intricate realm of microorganisms and the body's defence mechanisms against pathogens. Through this course the students can understand and explore of the microbial world, host-pathogen interactions, and immune responses, and eventually prepare them for careers in

					research, healthcare, and biotechnology.(5 hrs per week)
DSE	UK5DSEZOO301	Ecology and Disaster Management (Mandatory)	University of Kerala	Thu, 02 May 2024 12:02:38 GMT	The course provides basic understanding about biotic and abiotic components of ecosystems, attributes of population, community, ecosystem development and energetics,anthropogenic impacts on ecosystems etc. and provide knowledge and understanding about the different strategies used in assessment and management to mitigate impact of pollution and disasters. (5 hrs per week)
DSE	UK5DSEZOO304	Environmental Science III- Environmental Monitoring and Ecosystem Restoration	Dr. Gayathri Elayidam U	Sun, 12 May 2024 15:38:51 GMT	This course provides student with a comprehensive understanding of the principles, methods, and applications of environmental monitoring and restoration practices. Through theoretical learning, practical exercises, and fieldwork, students gain the knowledge and skills to assess environmental conditions, monitor changes over time, and implement restoration strategies to enhance ecosystem health and resilience.(5 hrs per week)
SEC	UK5SECZOO301	Vermiculture and Vermicomposting	DR. ANANDAKUMAR V M	Sun, 12 May 2024 15:51:02 GMT	This course provides the student an understanding of essential skills required for proficient vermicomposting and efficient vermiculture management. This course provides students with

					essential skills such as identifying suitable worm species, understanding earthworm morphology and life cycles, mastering vermicompost production techniques, byproducts of vermiculture, managing pests and pathogens effectively, and overcoming challenges in vermiculture management.(4 hrs per week)
Semester: 6					
DSC	UK6DSCZOO301	Cell and Molecular Biology (Mandatory)	University of Kerala	Thu, 02 May 2024 12:02:38 GMT	This course offers a detailed exploration of cellular and molecular biology, covering cell structure, function, and regulation. Students learn about prokaryotic and eukaryotic cells, organelles, and cell communication pathways. Molecular biology topics include nucleic acids, DNA replication, gene expression, and regulation mechanisms. (5 hrs per week)
DSC	UK6DSCZOO302	Genetics and Biotechnology (Mandatory)	University of Kerala	Thu, 02 May 2024 12:02:38 GMT	This course covers topics of genetics, including Mendel's experiments, gene interactions, chromosome mapping, and genetic engineering. It explores applications in various fields such as industry, medicine, and agriculture through lectures, labs, and activities and helps the student to develop a deep understanding of genetic principles and biotechnological applications. (5 hrs per week)

DSC	UK6DSCZOO303	Biochemistry	Dr. Gayathri Elayidam U	Sun, 12 May 2024 15:39:30 GMT	This course provides knowledge and understanding of the biomolecules such as proteins, carbohydrates, and lipids; focusing on the chemical structure, functions cellular metabolism. Student will be able to integrate biochemistry concepts with zoological principles to elucidate physiological processes, evolutionary adaptations, and ecological interactions in animal systems. (5 hrs per week)
DSE	UK6DSEZOO301	Animal Behaviour and Chronobiology (Mandatory)	University of Kerala	Thu, 02 May 2024 12:02:38 GMT	This course provides the student a better understanding on animal behaviour in various circumstances. In addition, the important biological cycles can also be referred. Field and lab oriented activities included in this course will help the student a better understanding of animal and its interaction with environment.(5 hrs per week)
DSE	UK6DSEZOO304	Environmental Science IV- Green Technologies	Dr. Gayathri Elayidam U	Sun, 12 May 2024 15:39:49 GMT	This course encompass a range of innovations and practices aimed at reducing environmental impact and promoting sustainability across various sectors of society.It provides the student with the knowledge and skills necessary to understand, develop, and implement solutions to pressing environmental challenges.(4 hrs per week)

SEC	UK6SECZOO301	Ornamental Fish production and Aquarium Management	DR. ANANDAKUMAR V M	Sun, 12 May 2024 15:51:33 GMT	This course will equip the student to gain practical skills and theoretical knowledge in ornamental fishkeeping, aquarium design and maintenance, breeding techniques, disease management, and the commercial aspects of the ornamental fish trade, preparing them for careers in aquaculture, pet industry, and related fields. (4 hrs per week)
Semester: 7					
DSC	UK7DSCZOO401	Instrumentation and Biological Techniques	Dr. Gayathri Elayidam U	Sun, 12 May 2024 15:41:23 GMT	This course will provide a strong understanding on the basic concepts as well as the recent advances in the field of instrumentation and biomedical techniques. The course modules focus on microscopy (Fundamental principle & types), separation techniques (Electrophoresis, chromatography, centrifugation), molecular structure elucidation techniques (Spectroscopy & X-ray crystallography), biomedical techniques and recent advances in informatics. (5 hrs per week)
DSC	UK7DSCZOO402	Omics and Bioinformatics	Dr. Gayathri Elayidam U	Sun, 12 May 2024 15:41:23 GMT	This course comprehensively explores genomics, transcriptomics, proteomics, metabolomics, and bioinformatics, covering techniques such as genome mapping, gene expression

					analysis, protein identification, metabolite profiling, and computational biology tools. Students shall learn about the applications of these omics technologies in disease research, drug discovery, agricultural studies, and evolutionary biology. The course also emphasises data analysis methods, bioinformatics tools, and challeng
DSC	UK7DSCZOO403	Systematics and Phylogenetics	Dr. Gayathri Elayidam U	Sun, 12 May 2024 15:41:23 GMT	This course will provide a framework for understanding the diversity of species and their inter- relatedness. Student shall learn about the process of systematics in describing, classifying and identifying the diversity of life and acquire the skills required to analyse DNA sequences in a phylogenetic context.(5 hrs per week)
DSC	UK7DSCZOO404	Human Physiology: The Life Sustaining Systems	Dr. Gayathri Elayidam U	Sun, 12 May 2024 15:41:23 GMT	The course imparts in depth knowledge about the structure and functions of different systems in man and provides an understanding of the various disorders associated with them. The course enables the students to understand the various techniques used in monitoring physiological functions.(5 hrs per week)
DSE	UK7DSEZOO401	Research Methodology and Biostatistics (Mandatory)	University of Kerala	Thu, 02 May 2024 12:02:38 GMT	This course is designed to provide the student a comprehensive knowledge and understanding on various

					aspects of research methodology including types of research, formulation of research hypothesis, research design, execution, data collection, research ethics, research communication etc. This course also contains topics related to concepts in biostatistics, descriptive statistics, probability distributions, and sampling methods, hypothesis testing, sample size determination, and correlation/regression
Semester: 8					
CIP	UK8CIPZOO400	Project	Dr. Gayathri Elayidam U	Wed, 15 May 2024 03:09:10 GMT	
RPH	UK8RPHZOO400	Project	Dr. Gayathri Elayidam U	Wed, 15 May 2024 08:39:22 GMT	