

GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)

KUMBAKONAM – 612 001

Affiliated to Bharathidasan University

DST - CURIE Sponsored Institution

IV Cycle of Accreditation



☎ 0435 – 2401391


✉ principal@gcw.ac.in



DEPARTMENT OF ZOOLOGY – UNDER GRADUATE

SL. NO	COURSE CODE	COURSE NAME	ISSUED ADDRESSED	FOCUS OF THE COURSE
1.	UZC101/ U21ZC101	Invertebrate	Environment &Sustainability	To make thorough understanding of students on taxonomy, and type studies of the kingdom animalia pertaining to invertebrates.
2.	UZC202P1	Invertebrates &Chordata Practical	Environment &Sustainability	To give practical experience on the structure and functional morphology of invertebrates and chordates.
3.	U21ZC102P	Practical I: invertebrate	Environment &Sustainability	To give practical experience in the structure and functional morphology of invertebrates
4.	UZC203/ U21ZC203	Chordata	Environment &Sustainability	To make thorough understanding of students on taxonomy, and type studies of the kingdom animalia pertaining to vertebrates.
5.	U21ZC204P	Practical II : Chordata	Environment &Sustainability	To give practical experience on the structure and functional morphology of chordates.
6.	UZC304/ U21ZC305	Cell Biology	Professional Ethics	To understand the ultrastructure and functions of cells and their application in research.
7.	UZC405P2/ U21ZC306P	Cell Biology Practical	Professional Ethics	To give experiential learning in the Basic techniques in cell biology research.
8.	SBEC3/ U21Z3NME1: 1	Vermiculture	Professional Ethics	To inculcate knowledge on the importance of Earthworms with special emphasis on small and large-scale vermicomposting.
9.	U21ZC407	Environmental Biology	Environment &Sustainability	To imbibe the knowledge of the general principles of Ecology
10.	U21ZC408P	Environmental Biology Practical	Environment &Sustainability	To give practical knowledge on the general principles of Ecology.




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11.	U21Z4NME2: 1	Apiculture	Professional Ethics	To comprehend the knowledge on the apiculture (culture of honeybees) and its possible prospects as self employment venture.
12.	UG3NMEC1/ U21Z4NME2: 2	Public health and hygiene	Human values, Environment & Sustainability	To give awareness on health and hygiene to non-biology students
13.	U214ZOSE1	Vermitechnology	Environment & Sustainability	To acquire knowledge on the culture of earthworms for effective agriculture practices through scientific methods.
14.	UZC507	Evolution	Environment & Sustainability	Understanding the scientific principles and concepts of animal evolution.
15.	UZC508/ U21ZC510	Developmental Biology and Immunology	Professional Ethics	To inculcate the present perspective on the development of animal embryos using modern biological tools and also to understand the immune system of living organisms.
16.	UZC509/ U21ZC511	Animal Physiology	Professional Ethics	To acquire knowledge on the structure and functions of organ systems.
17.	UZC510P3/ U21ZC512P	Evolution , Developmental Biology & Immunology and Animal Physiology Practical	Professional Ethics, Environment & Sustainability	Experiential learning Evolution , Developmental Biology & Immunology and Animal Physiology
18.	UZ5EC3/ U21Z5MBE1: 1	Biostatistics	Professional Ethics	To comprehend the knowledge on analysis of biological data using statistical tools




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19.	ZCF11	Ecology	Environment & Sustainability	To imbibe the knowledge on the general principles of ecology
20.	SBEC2	Aquaculture	Environment & Sustainability	To obtain knowledge on farming and marketing of fish and prawn.
21.	SBEC1/ U21Z5MBE1: 2	Agricultural Pest management	Environment & Sustainability	To give knowledge on types of damage caused to plants by Insects, birds, and Field Rodents
22.	UG4NMEC2/ U21Z5MBE1: 3	Apiculture	Professional Ethics	To comprehend the knowledge on honey bees, prospectus of apiculture, and funding agencies for financial support.
23.	U215ZOSE2	Aquarium Fish Keeping	Environment & Sustainability	To learn the culture practices and methods in ornamental fishes
24.	U215ZOSE3	Basic computer applications - Practical	Professional Ethics	To enable the students for document preparation, using spreadsheets, and creating PowerPoint presentations
25.	UZC406/ U21ZC613	Genetics and Molecular Biology	Environment & Sustainability	To comprehend the knowledge of genetic materials at molecular level
26.	U21ZC614	Microbiology and Biotechnology	Professional ethics, Environment & Sustainability	To learn the general structure and culture of microbes and also to understand the biotechnological, principles - their application in medicine and Intellectual Property Right Values.
27.	ZCF13P4/ U21ZC615P	Genetics and Molecular Biology, Microbiology And Biotechnology Practical	Environment & Sustainability	Experiential learning in the inheritance patterns, genetic traits, culture of microbes and to understand the biotechnological, principles




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28.	ZFEC4/ U21Z6MBE2: 1	Biochemistry	Professional Ethics, Environment &Sustainability	To imbibe the knowledge on biochemical substances their role in the metabolic events in the living organisms.
29.	ZFEC5	Basic medical knowledge	Professional Ethics	To make the students gain ability in interpreting the results of Basic Blood tests, Urine analysis, Pregnancy test and radiographic medical tests.
30.	U21Z6MBE2: 2	Endocrinology	Professional Ethics	To gain knowledge on the scope and functions of endocrine system.
31.	U21Z6MBE2: 3	Value addition of Fish products and processing	Professional Ethics	To understand the methods of fish processing techniques
32.	U21Z6MBE3: 1	Human Nutrition	Professional Ethics	To inculcate knowledge on the values of nutritive food for healthy living.
33.	U21Z6MBE3: 2	Poultry farming	Environment &Sustainability	To familiarize the students in poultry science.
34.	U21Z6MBE3: 3	Economic Entomology	Environment &Sustainability	To provide knowledge on the beneficial and harmful insects.
35.	U211AZ1	Biology of Invertebrates and Chordates	Environment &Sustainability	To acquire knowledge on the biological aspects of Invertebrata and Chordata




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DEPARTMENT OF ZOOLOGY – POST GRADUATE

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1.	PZCA01/ P21ZC101	Functional Morphology and Phylogeny of Invertebrates and Chordates	Environment & Sustainability	To impart knowledge on the structure and functional morphology of invertebrates and chordates.
2.	PZCA02/ P21ZC102	Cell and Molecular Biology	Professional Ethics	Understanding the principles of cell biology at molecular level.
3.	PZCA03/ P21ZC103	Genetics	Environment & Sustainability, Professional Ethics	To understand the gene concept and principles of Genetics.
4.	PZAE1	Aquaculture	Professional Ethics	To give knowledge on water quality management and fish harvest technology.
5.	P21Z1MBE1: 1	Fisheries and Aquaculture	Professional Ethics	To gain the current perspectives on the aquaculture with emphasis on capture fisheries and culture fisheries.
6.	P21Z1MBE1: 2	Reproductive Endocrinology	Professional Ethics	To gain knowledge on structure and functions of male and female reproductive endocrine glands and their hormonal regulation.
7.	P21Z1MBE1: 3	Bee keeping	Professional Ethics	To obtain the perspectives on the marketing of honey and to motivate for preparation of projects for funding




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8.	PZCB05/ P21ZC205	Biochemistry	Professional Ethics	To make the students learn about the biochemical constituents of living organisms.
9.	PZCB06/ P21ZC206	Animal Physiology	Professional Ethics	To impart knowledge on the functions of different organs and systems of animals.
10.	PZCB07/ P21ZC207	Immunology	Professional Ethics	To inculcate basic and current knowledge on the immune system and the applications of Immuno techniques
11.	PZBEC2	Bioinformatics	Professional Ethics	To impart knowledge on usage of computers as a biologist; Applications of internet and statistical bioinformatics in research
12.	P21Z2MBE2: 1	Entomology	Environment &Sustainability	To obtain a wide knowledge on insect and their management system.
13.	P21Z2MBE2: 2	Computer application in biology	Environment &Sustainability	Students gain skills in usage of computers as a biologist; Applications of internet and statistical bioinformatics in research
14.	P21Z2MBE2: 3	Fish processing technology	Environment &Sustainability, Professional Ethics	To understand the methods of fish processing techniques.




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15.	P21Z2ED	Diet for healthy Life	Environment &Sustainability, Professional Ethics	To deliver authentic health information and to create awareness on healthy life style in natural way
16.	P21Z2SE2	Taxonomy of Fishes	Environment &Sustainability	To impart the learner with a basic knowledge on fish classification
17.	PZCC09/ P21ZC309	Developmental Biology and Evolution	Environment &Sustainability, Professional Ethics	To comprehend the various developmental biological events in living organisms.
18.	PZCC10	Biotechnology	Professional Ethics	To understand the biotechnological, principles, their application in medicine, and Intellectual Property Right Values.
19.	PZCC11/ P21ZC311	Microbiology	Professional Ethics	To learn the basics of microbes and their environment.
20.	PZCEC3/ P21Z3MBE3: 1	Biostatistics and Research Methodology	Professional Ethics	To understand the importance of Statistics and analysis of biological data.
21.	P21Z3MBE3: 2	Nutrition & Dietics	Professional Ethics	To incubate the knowledge on the values of nutritive substances for healthy living.
22.	P21Z3MBE3: 3	Dairy Science	Environment &Sustainability, Professional Ethics	To understand milk production and marketing.




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23.	PZCD13	Applied Ecology ,Biodiversity and conservation.	Environment &Sustainability	To learn the fundamentals of environment Components.
24.	P21ZC413	Ecology and Ethology	Environment &Sustainability	To learn the fundamentals of environment and animal behaviour
25.	P21ZPW415	Dissertation	Professional Ethics	To promote original thinking, innovation of thought, as an exercise. To encourage them the implementation of lab to land ideas.
26.	P21Z4MBE4: 1	Biodiversity and Conservation	Environment &Sustainability	To understand the concepts of biodiversity and conservation strategies.
27.	P21Z4MBE4: 2	Silkworm culture techniques and marketing Management	Professional Ethics	To educate the scope, management of mulberry cultivation and silkworm culture techniques.
28.	P21Z4MBE4: 3	Tools and Techniques in Biology	Professional Ethics	To make the learner know the basic concepts on handling and separation of biological samples and use of instruments in biology.




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