

FATIMA MATA NATIONAL COLLEGE

AUTONOMOUS

(Reaccredited with 'A' Grade by NAAC)

Affiliated to University of Kerala



7.2.1 List of Courses Bearing Environment and Sustainability

IQAC INTERNAL QUALITY ASSURANCE CELL

LIST OF COURSES BEARING ENVIRONMENT AND SUSTAINABILITY

Sl. No.	Programme	Course Name	Course Code	Description
1	B.Com.	Environmental Studies	15UCO121	Awareness about Environmental issues
2	B.Com.	Functional Application of Management	15UCO142	Optimal Utilization of Resources, considering environmental sustenance as well
3	B.Com.	Financial Management	15UCO361.1	Wise utilization of financial resource, encompassing environmental sustenance
4	B. Sc. Psychology	Organizational Behaviour	15UPG643	Enabling the students to design systems that ensure Environmental sustenance while designing work spaces
5	M.Sc. Psychology	Frontiers of Psychology	18PPC14	Improves the knowledge of students regarding the application field with environmental focus and upcoming avenues.
6	B. Sc. Zoology	Theoretical Chemistry	15UCH131.4	Awareness about biological and environmental aspects of organic compounds
7	B. Sc. Zoology	Phycology, Mycology, Lichenology, Bryology, Pteridology, Gymnosperms & Plant Pathology	15UBO131	Awareness about the form, structure and diversity in lower plant forms
8	B. Sc. Zoology	Animal Diversity II	15UZO241	In depth knowledge of diversity in form, structure and habits of vertebrates
9	B. Sc.	Inorganic & Bioinorganic	15UCH231.4	Knowledge about environmental

	Zoology	Chemistry		chemistry and bio inorganic compounds in the environment
10	B. Sc. Zoology	Histology, Reproductive Biology & Micro Techniques	15UBO231	Idea about the tissue level organization of plants
11	B. Sc. Zoology	Methodology and Perspectives of Zoology	15UZO341	Enable the students to systematically pursue zoology in relation to other disciplines that comes under the fabric of science
12	B. Sc. Zoology	Angiosperm Taxonomy, Economic Botany, Ethno Botany, Pharmacogonosy& Plant Breeding	15UBO331	Details about the medicinally important plant varieties and their breeding techniques
13	B. Sc. Zoology	General Informatics & Bioinformatics	15UZO441	Basic informatics skill and attitudes relevant to the emerging society and utilize the digital knowledge resources in biological information
14	B. Sc. Zoology	Practicals	15UZO442	Training experience in anatomy
15	B. Sc. Zoology	Plant Physiology, Environmental Biology, Horticulture & Plant Biotechnology	15UBO431	Students are made aware of conserving the existing biodiversity and also for identifying the potential threats of biodiversity and environment
16	B. Sc. Zoology	Genetics and Biotechnology	15UZO542	Awareness about the genetic mechanisms operating in man and state of art bio - techniques
17	B. Sc. Zoology	Ecology, Conservation Biology, Ethology,	15UZO643	To enhance the student's concept of nature and natural resources

		Evolution and Zoogeography		
18	B. Sc. Zoology	Developmental Biology, Ecology, Conservation Biology, Ethology, Evolution and Zoogeography	15UZO645	To instil awareness on measures to conserve nature
19	B. Sc. Zoology	Ornamental Fish Culture	15UZO661.1	Awareness about the vast potentials involved in ornamental fish farming and trading
20	B.Sc. Botany	Environmental Studies & Phytogeography	15UBO542	The whole course focuses on 'Environment and Sustainability', Environmental Protection Programmes and Policies
21	M.Sc. Botany	Phycology, Mycology & Plant Pathology	15PBO11	Identifies the line of plant evolution starting from water and explores the diversity of non-chlorophyllous plant forms
22	M.Sc. Botany	Bryophyta, Pteridophyta & Gymnosperms	15PBO12	Inter-dependence of terrestrial plant forms and their surrounding environment
23	M.Sc. Botany	Submissions	15PBO15	Get an idea of the primitive plant forms
24	M.Sc. Botany	Environmental Biology, Forest Botany, Phytogeography & Conservation Biology	15PBO22	The whole focuses on 'Environment and Sustainability'. Environmental Protection Programmes and Policies
25	M.Sc.	Practical II	15PB024	The students get an idea on the diverse

	Botany			environmental conditions and its influence on the type of plant species
26	M.Sc. Botany	Taxonomy of Angiosperms, Economic Botany Ethnobotany & Evolution	15PBO31	Environmental influence on the diversity and organization pattern in angiosperms.
27	M.Sc. Botany	Practical III	15PBO34	Environmental influence on the diversity and organization pattern in angiosperms.
28	M.Sc. Botany	Submissions	15PBO35	Environmental influence on the diversity and organization pattern in angiosperms.
29	M.Sc. Botany	Practical IV	15PBO43	Identifying protocols for the massive and rapid multiplication of plant forms, especially the plants which are having difficulty in proper multiplication
30	B. Sc. Physics	Energy Physics	15UPY551.5	Creates awareness on conservation of energy, conservation of natural resources etc.
31	M. Sc. Physics	Advanced Spectroscopy	15PPH 32	Environmental awareness
32	M. Sc. Physics	Special Paper II-Radiation physics	15PPH 43N	Familiarizes the students with the biological effects of radiation, radiation hazards, natural sources of radiation etc.
33	M. Sc. Zoology	Biosystematics, Taxonomy & Evolutionary biology	15PZO 11	In depth understanding of biochemical, genomic and molecular evolutionary aspects
34	M. Sc. Zoology	Microbiology & Biotechnology	15PZO31	Explain the scope of industrial, environmental and medical microbiology and understand bioethics and recent trends in biotechnology

35	M. Sc. Zoology	Ecology, Ethology & Biodiversity Conservation	15PZO32	Understand biodiversity status, strategies of conservation, threats and conventions for biodiversity
36	M. Sc. Zoology	Ichthyology	15PZO41	Describe the distribution of fishes and the techniques of hybridization, chromosome manipulation and sex determination
37	M. Sc. Zoology	Fisheries & Aquaculture	15PZO42	Knowledge about different culture methods of fishes and their economic importance
38	M. Sc. Zoology	Special, paper- Practical	15PZO43	Identification of local fishes and prawn varieties
39	M. Sc. Zoology	Special paper — Practical	15PZO44	Equip the students with fish management techniques
40	M. Sc. Psychology	Intelligence, Learning and Motivation	15PPC21	Awareness on how to improve the Motivation to ensure environment sustainability
41	M. Sc. Psychology	Psychology In the Classroom	15PPC43	How to manage a classroom by caring for the value systems, including environmental sustenance through effective management
42	B. Com. Cooperation	Environmental Studies	15UCC121	Awareness about Environmental issues
43	B. Com. Cooperation	Functional Application of Management	15UCC142	Optimal Utilization of Resources considering environmental sustenance as well
44	M.A.	Pracheena Madhyakala Mal	18PML11	environmental concerns as dealt with in

	Malayalam	ayalaSahithyam		early and medieval literary texts
45	M.A. Malayalam	Kerala Samskaram	18PML12	Creates awareness among the students as to how nature and environment are integral to Kerala Culture
46	M.A. Malayalam	AdhunikaSahithyam-Gadhyam	18PML13	environmental concerns in modern Malayalam prose writings
47	M.A. Malayalam	Vivarthanam-ThathvavumPrayogavum	18PML14	environmental concerns as depicted in literary texts
48	M.A. Malayalam	AdhunikaSahithyam-Padhyam	18PML21	environmental concerns in modern Malayalam Poetry
49	M.A. Malayalam	MalayalaBhasha, SahithyaCharithram-Samagrapadanam	18PML24	Creates awareness as to how nature and environment are concepts integral to Kerala Culture
50	M.A. Malayalam	SamakaalaSahithyam	15PML31	environmental concerns discussed in contemporary literary texts
51	M.A. Malayalam	Ezhuthukaan-Samagrapadanam	15PML43	environmental concerns in the writings of major Malayalam writers
52	M.A. Malayalam	ThirakkadhaPadanam	15PML44	environmental concerns as depicted in film scripts
53	Language Course II	MalayalaKavitha	18UML111.1	environmental concerns in Malayalam Poetry
54	Language Course VII	Drishyakalasaahithyam	15UML311.1	environmental concerns in Visual arts
55	B.A. Malayalam	ParisthidhiSidhanthavumAavishkaravum	15UML331	Introduces the principle of environmentalism and ecofeminism
56	B.A. Malayalam	MalayalaKavitha-Poorvaghattam	15UML542	environmental concerns in Malayalam Poetry

57	B.A. Malayalam	NadodiVinjaneeyam	15UML543	Interdependence of man and nature as revealed in folk literature
58	B.A. Malayalam	ChalachitraPadanam	15UML545	Environmental concerns discussed in movies
59	B.A. Malayalam	MalayalaKavitha-Utharaghattam	15UML641	environmental concerns in Malayalam Poetry
60	B.A. Malayalam	Cherukadha, Jeevacharithram, Athmakadha, Yathranubhavam	15UML643	environmental concerns raised in life writings and travelogues
61	B.A. Malayalam	Vivarthanam, Siddhanthavum, Prayogavum	15UML644	environmental issues in literary texts
62	B.A. Malayalam	Project/ Dissertation	15UML645	Topics related to environmental issues, ecofeminism, symbiotic relation between man and nature as depicted in literary texts etc
63	M.A. English	Chaucer to the Elizabethan Age	18PEL11	Depiction of nature and environmental concerns in literary texts
64	M.A. English	Shakespeare	18PEL12	Depiction of nature and environmental concerns in literary texts
65	M.A. English	The Augustan Age	18PEL13	Depiction of nature and environmental concerns in literary texts
66	M.A. English	The Romantic Age	18PEL14	Depiction of nature and environmental concerns in literary texts
67	M.A. English	The Victorian Age	18PEL21	Depiction of nature and environmental concerns in literary texts
68	M.A.	The 20 th Century	18PEL22	Depiction of nature and environmental

	English			concerns in literary texts
69	M.A. English	Indian Writing in English	18PEL23	Depiction of nature and environmental concerns in literary texts
70	M.A. English	Women's Writing	15PEL33	Treatment of the concept of ecofeminism
71	M.A. English	Introduction to Cultural Studies	15PEL42	Depiction of nature and environmental concerns in literary texts
72	M.A. English	American Literature	15PEL43	Depiction of nature and environmental concerns in literary texts
73	M.A. English	European fiction	15PEL44	Depiction of nature and environmental concerns in literary texts
74	Foundation Course I	Writings on Contemporary Issues	18UEN121	Discussion of urgency of protection of environment and sustainable development
75	B.A. English Language and Literature	Reading Poetry	18UEN141/18 UENC141	Nature as theme and symbol in poetic works
76	B.A. English Language and Literature B.A. English Language, Literature	Environmental Studies	18UEN211.1/1 8UENS211	Develops knowledge and understanding of the environment and enables students to contribute towards maintaining and improving the quality of the environment.

	and Communication			
77	B.A. English Language and Literature	Reading Drama	15UENC241	Depiction of nature and environmental concerns in literary texts
78	B.A. English Language and Literature	Reading Fiction	15UENC321	Depiction of nature and environmental concerns in literary texts
79	B.A. English Language and Literature	Methodology and Perspectives of Humanities	15UENC341	Environmental concerns in study of humanities
80	B.A. English Language and Literature	Readings in Literature	15UEN411.1	Depiction of nature and environmental concerns in literary texts
81	B.A. English Language and Literature	Literary Criticism	15UEN541/15UENC541	Environmental concerns in study of criticism, ecofeminism etc

82	B.A. English Language and Literature	Indian Literature in English	15UEN542/15 UENC542	Depiction of nature and environmental concerns in literary texts
83	B.A. English Language and Literature	Postcolonial Literatures in English	15UEN545	Depiction of nature and environmental concerns in literary texts
84	B.A. English Language and Literature	Women's Writing	15UEN644/15 UENC644	Concept of ecofeminism
85	B.A. Malayalam	Poetry and Grammar-I	15USK131	Depiction of nature and environmental concerns in literary texts
86	BCA	Environmental Studies	CP1241	Addresses various environmental issues
87	B.A. History	Methodology and Perspectives of Social Sciences	18UHY141	Enable students to understand environmental issues
88	B.A. History	International Politics	15UPS431	Global warming, Energy crisis, Food crisis, Weapons of mass destruction
89	B.A. History	History of Human Rights Movements	15UHY551.3	Emergence of various environmental movements and the issues they address
90	B.A. History	Contemporary India	15UHY643	Environmental Issues in connection with construction of big dams, nuclear power station, deforestation and urban

				pollution
91	B. Sc. Chemistry	Inorganic Chemistry I	18UCH141	Environmental Chemistry
92	B. Sc. Chemistry	Essentials of Chemistry	15UCH551.1	Environmental Chemistry
93	M.Sc. Chemistry	Inorganic Chemistry I	18PCH11	Environmental Chemistry
94	B. Sc. Polymer Chemistry	Chemistry in everyday life	15UPO551	Environmental Chemistry
95	M. A. Economics	Economics of Social Sector and Environment	15PEC22	Examines the mechanism of sustainable development in an economy