



# Vidyasagar University

Midnapore, West Bengal

721102



## 1.3.1: Supporting Documents



*List and description of the courses which address the Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum*



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## 1.3.1: Additional Information



*List and description of the courses which address the Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum*



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List and description of the courses which address the gender, environment and sustainability, human values and professional ethics into the curriculum

Sl no	Name of the programme	Course code	Course name	Description
1	M.Sc. in Anthropology	ANT 201	Research methods in Anthropology	Comprehensive overview of methodologies used in Anthropological research, including fieldwork techniques, data collection, analysis, and ethnographic writing.
2	M.Sc. in Anthropology	ANT 301b	Ecological Anthropology	Examination of the complex relationships between humans and their environments, focusing on ecological principles and their applications in Anthropological studies.
3	M.Sc. in Anthropology	ANT 404a	Aging and the reproductive health of women	Study of biological, social, and cultural aspects of aging and reproductive health, with an emphasis on women's health issues and life stages.
4	M.Sc. in Anthropology	ANT 404b	Emerging areas of socio-cultural Anthropology	Exploration of new and evolving areas within socio-cultural Anthropology, including contemporary research trends and innovative methodologies.
5	M.Sc. in Applied Mathematics	306b	Dynamical oceanology: advanced wave hydrodynamics	In-depth study of wave dynamics in oceanography, covering theoretical and practical aspects of wave hydrodynamics and their implications on marine environments
6	M.Sc. in Applied Mathematics	MTM40 4b	Dynamical meteorology: dynamics in atmosphere	Detailed analysis of atmospheric dynamics, including the study of weather systems, climate modeling, and the physical principles governing atmospheric motion
7	M.Sc. in Applied Mathematics	MTM40 4c	Mathematical modelling in population ecology and epidemiology	Application of mathematical models to understand population dynamics, ecological interactions, and the spread of diseases, with practical examples from ecology and epidemiology
8	M.Sc. in Applied Mathematics	MTM40 5b	Dynamical oceanology: coastal processes	Examination of coastal processes, including erosion, sediment transport, and coastal ecosystem dynamics, with a focus on their impact on marine and human environments
9	M.Sc. in Botany	BOT 203	Ecology, environmental biology and phyto Geography	Study of ecosystems, environmental biology, and the geographical distribution of plants, with an emphasis on ecological principles and conservation strategies
10	M.Sc. in Chemistry	CEM 104	Food processing and preservation and computer basics	Principles of food processing and preservation techniques, and their applications using computer technology

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11	M.Sc. in Chemistry	CEM 196	Food processing and preservation	Practical applications of techniques in food processing and preservation, including hands-on laboratory work
12	M.Sc. in Chemistry	C-CEM 204	nanotechnology: principles and practices	Study of the fundamental principles and practices of nanotechnology, including its applications in various fields
13	M.Sc. in Chemistry	CEM 404a	Chemistry in technology	Exploration of the role of Chemistry in modern technology, including industrial processes and innovations
14	M.Sc. in Computer Science	COS-201.2	Green computing	Principles and practices of environmentally sustainable computing, focusing on energy efficiency and reducing environmental impact
15	M.Sc. in electronics	ELC 204a	E-waste	Study of electronic waste management, recycling, and the environmental and health impacts of e-waste
16	M.Sc. in electronics	ELC 204b	renewable energy	Examination of renewable energy sources, technologies, and their applications in sustainable energy systems
17	M.Sc. in fisheries science	Fsc-203.2	Fisheries extension, Economics and marketing	Study of extension services, economic principles, and marketing strategies in the fisheries sector
18	M.Sc. in fisheries science	FSC-295	Practical based on fsc -201 and fsc -202	Hands-on practical work related to fisheries science courses fsc-201 and fsc-202
19	M.Sc. in fisheries science	FSC-296	Practical based on fsc -201 and fsc -202	Continuation of practical work related to fisheries science courses fsc-201 and fsc-202
20	M.Sc. in Geography	GEO 496.1	Proposal writing & research ethics	Techniques for writing research proposals and understanding research ethics in geographical studies
21	M.Sc. in Geography	GEO 203.2	environmental ethics	Study of ethical principles and issues related to the environment, including conservation, sustainability, and human impact
22	M.Sc. in Geography	GEO 402.2	Gender Geography and environment	Examination of the intersections between gender, Geography, and environmental issues, focusing on gendered experiences and impacts
23	M.Sc. in Geography	GEO 104.1	Foundations in bio Geography and environment	Introduction to bioGeograPHY and environmental science, covering the distribution of species and eCOSystems, and environmental processes
24	M.Sc. in Geography	GEO 104.2	landscape ecology & planning	Study of landscape ecology principles and their application to environmental planning and management
25	M.Sc. in Geography	GEO 201.1	Geographical thought	Exploration of the History and development of geographical thought, including key theories and concepts

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26	M.Sc. in Geography	GEO 201.2	population Geography	Study of population distribution, dynamics, and their impact on the environment and society
27	M.Sc. in Geography	GEO 202.1	Social & cultural Geography	Examination of social and cultural aspects of Geography, including spatial patterns and cultural landscapes
28	M.Sc. in Geography	C-GEO 204.1	resource and its management	Study of natural resources, their management, and sustainable use
29	M.Sc. in Geography	GEO 301.1	Environmental engineering	Principles and practices of environmental engineering, focusing on pollution control and sustainable development
30	M.Sc. in Geography	GEO 301.2	Energy, water, and food nexus	Exploration of the interconnectedness of energy, water, and food systems, and strategies for integrated resource management
31	M.Sc. in Human Physiology	PHY202 .1	Community health: exercise physiology and mass fitness	Study of exercise physiology principles and their application to community health and mass fitness programs
32	M.Sc. in Human Physiology	PHY202 .2	Community health: metabolic disorder and lifestyle management.	Examination of metabolic disorders and strategies for lifestyle management to improve community health
33	M.Sc. in Human Physiology	PHY204 .1	Lifestyle and health	Xploration of the relationship between lifestyle choices and health outcomes, focusing on prevention and wellness
34	M.Sc. in Human Physiology	PHY204 .2	Importance of health education and its promotion	Study of health education principles and methods for promoting health and wellness in communities
35	M.Sc. in Human Physiology	PHY295 .1	anthropometry and community health survey	Techniques and applications of anthropometry in conducting community health surveys and assessments
36	M.Sc. in Human Physiology	PHY295 .2	Human experiments	Practical experience in conducting human experiments related to physiology and health
37	M.Sc. in Human Physiology	PHY401 .1	Endocrinology	Study of the endocrine system, including hormone function, regulation, and related disorders
38	M.Sc. in Human Physiology	PHY401 .2	Reproductive physiology	Examination of the physiological processes involved in human reproduction and reproductive health
39	M.Sc. in computer application	MCA30 2	Artificial intelligence	Principles and applications of artificial intelligence, including machine learning and intelligent systems
40	Master of computer application	MCA30 5d	Natural language processing	Study of computational techniques for processing and understanding human language
41	M.Sc. in Microbiology	MCB 101.1	Bacteriology	Study of bacteria, including their classification, physiology, genetics, and role in health and disease

  
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42	M.Sc. in Microbiology	MCB 102.2	phycology	Examination of algae, focusing on their taxonomy, physiology, and ecological significance
43	M.Sc. in Microbiology	MCB 301.2	Medical and diagnostic Microbiology	Principles and techniques used in medical Microbiology for diagnosing and treating infectious diseases
44	M.Sc. in Microbiology	MCB 304.1	Environmental Microbiology	Study of microorganisms in natural and engineered environments, including their roles in biogeochemical cycles and environmental biotechnology
45	M.Sc. in Microbiology	MCB 304.2	Environmental Microbiology	Continuation of environmental Microbiology, with a focus on advanced topics and applications
46	M.Sc. in Microbiology	MCB 401.2	Environmental Microbiology	In-depth study of microorganisms in the environment and their impact on ecological processes and environmental health
47	M.Sc. in Physics	PHS 496	Project, seminar and grand viva	Comprehensive project work, seminars, and a final viva voce to assess students' understanding and application of physics concepts
48	M.Sc. in Remote Sensing and GIS	RSG 301.1	Application of geo-informatics	Techniques and applications of geo-informatics in spatial data analysis, mapping, and decision-making
49	M.Sc. in Remote Sensing and GIS	RSG 302.1	Fundamental of research and geospatial project management	Principles of research methodology and project management in the context of geospatial science
50	M.Sc. in Remote Sensing and GIS	C-RSG 304.2	Advanced remote sensing techniques	Advanced methods and applications of remote sensing technology in environmental and geospatial studies
51	M.Sc. in Zoology	ZOO 201.2	Ecological principles	Study of fundamental ecological concepts, including eCOSystem structure, function, and biodiversity
52	M.Sc. in Zoology	C-ZOO 204.2	Aquaculture	Principles and practices of aquaculture, including breeding, rearing, and harvesting of aquatic organisms
53	M.Sc. in Zoology	ZOO 401.1	Environmental pollution, management and biodiversity	Examination of environmental pollution, its impact on biodiversity, and management strategies for conservation.
54	M.Sc. in Bio-Medical Laboratory Science & Management	BML-103	Diagnostic bioChemistry	Techniques and applications of bioChemistry in diagnosing diseases and understanding biochemical pathways.
55	M.Sc. in Bio-Medical Laboratory Science & Management	BML-195	Survey on clinical laboratory biosafety, ethics and total quality management	Study of biosafety practices, ethical considerations, and quality management in clinical laboratories

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56	M.Sc. in Bio-Medical Laboratory Science & Management	BML-297	Clinical entomology and parasitology	Study of insects and parasites of medical importance, including their biology, diagnosis, and control
57	M.Sc. in Bio-Medical Laboratory Science & Management	BML-101	Clinical laboratory biosafety, ethics and total quality management	Comprehensive overview of biosafety, ethics, and quality management in clinical laboratory settings
58	M.Sc. in Bio-Medical Laboratory Science & Management	BML-195	Survey on clinical laboratory biosafety, ethics and total quality management	Study of biosafety practices, ethical considerations, and quality management in clinical laboratories
59	M.Sc. in Bio-Medical Laboratory Science & Management	BML-196	Research methodology and medical statistics	Principles and practices of research methodology and statistical analysis in medical research
60	M.Sc. In Clinical nutrition and dietetics	CND 104	Research methodology	Study of research design, methods, and techniques in clinical nutrition and dietetics
61	M.Sc. In Clinical nutrition and dietetics	CND 203	epidemiology, family welfare and public health	Examination of epidemiological methods, family welfare programs, and public health practices
62	M.Sc. In Clinical nutrition and dietetics	CND 296	public health and nutritional status assessment(assignment programme) and review work (practical)	Practical application of public health principles and methods for assessing nutritional status, including hands-on assignments and review work
63	M.Sc. In Clinical nutrition and dietetics	CND 396	therapeutic diet chart preparation for noncommunicable,gastro-intestinal and autoimmune diseases	Techniques for preparing therapeutic diet charts tailored to manage noncommunicable, gastrointestinal, and autoimmune diseases.
64	M.Sc. In Clinical nutrition and dietetics	C-CND 304	Food as medicine and prevention of diseases(cbs)	Exploration of the role of food in disease prevention and management, emphasizing nutritional therapy

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65	M.Sc. In Clinical nutrition and dietetics	CND 302	Dietary management of non-communicable diseases	Strategies and principles for dietary management of non-communicable diseases such as diabetes, hypertension, and cardiovascular diseases
66	M.Sc. In Clinical nutrition and dietetics	CND 303	dietary management of gastro-intestinal and auto-immune diseases	Nutritional approaches for managing gastrointestinal and autoimmune diseases, focusing on diet therapy
67	M.Sc. In Clinical nutrition and dietetics	CND 402	pediatric, geriatric nutrition and critical care	Study of nutritional needs and interventions for pediatric and geriatric populations, as well as critical care nutrition
68	M.Sc. In Clinical nutrition and dietetics	CND 403	dietary management of inheritable diseases, renal and respiratory diseases	Nutritional strategies for managing inheritable diseases, as well as renal and respiratory conditions
69	M.Sc. In Clinical nutrition and dietetics	CND 404	food standards, quality control and food fortification	Principles of food standards and quality control, including methods of food fortification to improve nutritional value
70	M.A in Bengali	Bng-403	Paschatya sahityatattwa	Study of western literary theories and their application in literary analysis
71	M.A in Economics	ECO202	Theories of economic growth	Examination of various theories and models of economic growth, including their implications for policy and development
72	M.A in Economics	ECO203	Environmental and resource Economics	Study of economic principles and policies related to the environment and natural resources, focusing on sustainability and conservation
73	M.A in Economics	ECO401 a	Gender studies and human development	Study of gender roles and their impact on human development and economic growth
73	M.A in Economics	ECO401 b	data analytics	Introduction to data analytics techniques and tools for economic analysis
74	M.A in Economics	ECO404	Indian economy –ii	In-depth analysis of the Indian economy, covering recent developments, policy challenges, and future prospects
75	M.A in English	ENG305	Gender and literature	Exploration of the representation of gender in literature, including analysis of gender roles, identities, and inequalities
76	M.A in English	ENG 403b	Environment and literature	Study of the relationship between literature and the environment, focusing on ecological themes and environmental issues

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77	M.A in English	ENG 404b	Dalit literature	Examination of dalit literature, including its themes, historical context, and impact on social and cultural discourse
78	M.A in Hindi	HIN 403	Vividh vimarsh aur Hindi	Study of various critical approaches and perspectives in Hindi literature
79	M.A in History	HIS 102	Socio religious reform movements in colonial india	Analysis of socio-religious reform movements in colonial india, their leaders, and their impact on society
81	M.A in History	HIS 103	Environmental History of india in the Anthropocene age	Examination of india's environmental History during the Anthropocene, focusing on human impact on the environment.
82	M.A in History	HIS 203	Social History of colonial India	Study of the social structures, practices, and changes in colonial india, including the effects of british rule on Indian society
83	M.A in History	HIS 205	The global Indian migration and diaspora	Examination of Indian migration patterns and the formation of Indian diasporas globally, including their cultural and economic impacts.
84	M.A in History	HIS 303	Adivasi History in colonial Bengal	Study of the History and experiences of adivasi communities in colonial Bengal, focusing on their social and political struggles
85	M.A in History	HIS 305d	Gandhian thought	Exploration of the philosophical and political ideas of mahatma gandhi, including nonviolence, satyagraha, and his impact on Indian and global movements
86	Bachelor of Library Science	BLI-101	Fundamentals of library and information science	Introduction to the basic principles and practices of library and information science, including information organization and retrieval.
87	Bachelor of Library Science	BLI 201	Library and society	Study of the role of libraries in society, including their impact on education, culture, and community development
88	Master of Library Science	MLI-110	Technical writing	Principles and techniques of technical writing, focusing on clear and effective communication in scientific and technical fields
89	Master of Library Science	MLI 208	Quantitative techniques in research	Application of quantitative methods and statistical techniques in library and information science research
90	Master of business administration	MBA-105	Business ethics and corporate social responsibilities	Examination of ethical issues in business and the role of corporate social responsibility in modern organizations
91	Master of business administration	MBA 205	legal and business environment	Study of the legal framework and business environment, including regulations, compliance, and their impact on business operations

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92	Master of business administration	MBA 301	entrepreneurship development	Principles and practices of entrepreneurship, including the development of business plans, innovation, and startup management
93	Master of business administration	MBA 308a	human resource planning and utilization	Study of strategic human resource planning and effective utilization of human resources in organizations.
94	Master of Commerce	COM 101.1	human resource management	Examination of human resource management principles, including recruitment, training, performance appraisal, and employee relations
95	Master of Commerce	COM 101.2	Organisation behaviour	Study of organizational behavior, focusing on individual and group dynamics, motivation, leadership, and organizational culture
96	Master of Commerce	COM 105.1	corporate laws	Overview of corporate laws and regulations, including company law, securities regulation, and corporate governance
97	Master of Commerce	COM 105.2	international business	Examination of international business practices, including global trade, investment, and cross-cultural management
98	Master of Commerce	COM 401.1	corporate governance	Study of corporate governance principles and practices, focusing on board structures, shareholder rights, and regulatory frameworks
99	Master of Commerce	COM 401.2	Audit	Principles and practices of auditing, including internal and external audits, audit planning, and audit reports
100	Master of Commerce	COM 403	Internship/ entrepreneurship development	Practical experience through internships or projects focused on entrepreneurship development and startup management
101	M.A. in Political Science	PLS 102	Politics in india (issues and challenges)	Examination of contemporary political issues and challenges in india, including governance, policy, and political movements
102	M.A. in Political Science	PLS 104	International relations: theories and issues	Study of international relations theories and key global issues, focusing on international politics, conflict, and cooperation
104	M.A. in Political Science	PLS 105 group – a	Advanced political theory	Exploration of advanced topics in political theory, including contemporary political thought and critical analysis of political ideologies
106	M.A. in Political Science	PLS203 group – a	Public administration and governance	Examination of public administration principles and practices, including governance structures, public policy, and administrative reforms
107	M.A. in Political Science	PLS 205 group – b	Modern state and its contemporary challenges	Study of the modern state, its development, and contemporary challenges such as globalization, security, and governance
108	M.A. in Political Science	PLS301 group - b	Politics in india: institutions and processes	Analysis of political institutions and processes in india, including the functioning of the executive, legislature, and judiciary

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109	M.A. in Political Science	PLS303 group – b	Marxist and radical theories: contemporary trends	Exploration of marxist and radical political theories, focusing on contemporary trends and their relevance in modern political analysis
110	M.A. in Political Science	PLS304 group – a	Politics in the contemporary world: issues and institution	Study of contemporary global political issues and institutions, including international organizations, global governance, and transnational challenges
111	M.A. in Political Science	PLS 305 group – b	Research methodology	Principles and techniques of research methodology in Political Science, including research design, data collection, and analysis
112	M.A. in Political Science	PLS402 group	Dilemmas in world politics	Examination of key dilemmas in world politics, including issues of conflict, security, human rights, and international justice
114	M.A. in Political Science	PLS 403 group – b	Development studies	Study of development theories and practices, including economic, social, and political aspects of development in various contexts
115	M.A in Philosophy	PHI401	ethics: Indian and western	Comparative study of ethical theories and practices in Indian and western philosophical traditions
116	M.A in Philosophy	PHI305 c	applied Philosophy	Application of philosophical theories to practical issues, including ethics, politics, and social problems
117	M.A in Philosophy	PHI405 c	Applied Philosophy	Advanced exploration of applied Philosophy, focusing on contemporary ethical and social issues
118	M.A in Philosophy	PHI203	Modern Indian Philosophy	Study of modern Indian philosophical thought, including key figures and movements
119	M.A in Philosophy	PHI204	Contemporary issues in Philosophy	Examination of contemporary philosophical issues and debates in various fields such as ethics, metaphysics, and epistemology
120	M.A in Philosophy	PHI205	Western classics	Study of classical western philosophical texts and their impact on modern thought
121	M.A in Philosophy	PHI304	Contemporary issues in gender studies	Exploration of contemporary issues in gender studies, focusing on theoretical perspectives and social implications
122	M.A in Sanskrit	SAN101	Veda-samhitā & brāhmaṇa	Study of the vedic texts, including samhitās and brāhmaṇas, and their significance in Indian philosophical and religious traditions
123	M.A in Sanskrit	SAN201	Analytical study of the veda, upaniṣada & vedāṅga	In-depth analysis of vedic literature, upaniṣads, and vedāṅga texts, focusing on their philosophical and cultural significance
124	M.A in Sanskrit	SAN203	Poetry	Study of classical and modern Sanskrit poetry, including analysis of poetic forms, themes, and literary techniques

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125	M.A in Sanskrit	SAN204 (cbcs)	History of Sanskrit literature & śrīmadbhagavadgītā	Exploration of the History of Sanskrit literature with a focus on the śrīmadbhagavadgītā and its literary and philosophical contributions
126	M.A in Sanskrit	SAN205	Purvottarmīmāṃsādarśana	Examination of the mīmāṃsā school of Indian Philosophy, focusing on its principles and exegetical techniques
127	M.A in Sanskrit	SAN301 a	History of poetics, metrics and modern Sanskrit literature	Study of the History and development of Sanskrit poetics, metrics, and modern literary trends
128	M.A in Sanskrit	SAN302 a	Drama-i	Analysis of classical Sanskrit drama, including its structure, themes, and performance traditions
129	M.A in Sanskrit	SAN401 a	Poetics-iii	Advanced study of Sanskrit poetics, exploring intricate theories and literary criticism
130	M.A in Sanskrit	SAN402 a	Prose & poetry	Examination of major works of Sanskrit prose and poetry, focusing on literary style and thematic content
131	M.A in Sanskrit	SAN403 a	Drama-ii	Continuation of the study of Sanskrit drama, covering additional classical plays and theatrical traditions
132	M.A in Sanskrit	SAN404 a	Modern Sanskrit literature	Exploration of contemporary Sanskrit literature, including modern poets, playwrights, and novelists
133	M.A in sociology	SOC-205	Sociology of gender	Examination of gender roles, identities, and inequalities in society, focusing on sociological theories and contemporary issues

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