

MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY)

MULLANA-AMBALA, HARYANA (INDIA), 133-207

(Established under Section 3 of UGC Act, 1956)

(Accredited by NAAC with Grade A++)

Ph: 0091-1731-274475-78
Fax: 0091-1731-274495



Website: www.mmumullana.org
E.Mail: info@mmumullana.org

List and description of courses addressing Gender, Environment and sustainability, Human values and Professional ethics into the curriculum (Academic Year 2022-23)

S.No.	Programme	Course	Description
1.	B.Pharm/ M.Pharm/ Pharm D	Environmental Sciences	The course is focused on a holistic understanding of Earth systems in order to learn from the past, comprehend the present, and influence the future. The students will study how physical, chemical, and biological processes maintain and interact with life, and how humans affect nature.
2.	M.Pharm	Hazards and Safety Management	This course aims to introduce students to the educational program that focuses on the principles, practices, and regulations related to safety in industrial settings. It covers topics such as hazard identification, risk assessment, emergency response, and compliance with safety standards.
3.	M.Pharm	Quality Control and Quality Assurance	The aim of this course is to acquaint students with the various aspects of quality control and assurance aspects of pharmaceutical. The students will also understand the important parameters such as cGMP, QC tests, documentation, Quality certifications, and GLP regulations.
4.	Pharm D	Research Methodology	This course addresses the issues inherent in selecting a research problem and discusses the techniques and tools to be employed in completing a research project.
5.	B Pharm	Jurisprudence	This course focuses on legal theory and thus primarily explores the questions like what is law, what is the nature of law, how the law may be identified, and how it interacts with the other realms.
6.	B.Sc. (Hons./Research) Biotechnology/ Chemistry/Physics/ Mathematics/BCA/ BBA	Essence of Indian Traditional Knowledge	This course majorly covers the concept of Traditional knowledge and its importance, the need, and importance of protecting traditional knowledge. The student will know the various enactments related to the protection of traditional knowledge and also understand the concepts of Intellectual property to protect the traditional knowledge

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7.	B.Sc. (Hons./ Research) Biotechnology/Che mistry/ Physics/ Mathematics/ BCA/BBA	Indian Constitution	This course will survey the basic structure and operative dimensions of the Indian Constitution. It will explore various aspects of the Indian political and legal system from the historical perspective highlighting various events that led to the making of the Indian Constitution. It will also examine how the Constitution has been shaped by and shapes our socio-political equations.
8.	B.Sc. (Hons./ Research) Biotechnology/ Chemistry/ Physics/ Mathematics/ BCA/BBA	Human Values and Ethics	This course helps the students to appreciate the essential complementarity between 'VALUES' and 'SKILLS' to ensure sustained happiness and prosperity, which are the core aspirations of all human beings. It will also facilitate the development of a holistic perspective among students towards life and profession as well as towards happiness and prosperity based on a correct understanding of human reality and the rest of Existence.
9.	B.Sc. (Hons./ Research) Biotechnology/Che mistry/ Physics/ Mathematics/ BCA/BBA	Health and Yoga	The course aims to empower and motivate students to achieve wellness and also give them requisite skills in various Yoga techniques that can be practiced for their own benefit or shared with others. It will help them to develop their all-round personality.
10.	B.Sc. (Hons./Research) Biotechnology/ Chemistry/ Physics/ Mathematics/ BCA/BBA	English	To enable the learner to communicate effectively and appropriately in real-life situations.
11.	B.Sc. (Hons./Research) Biotechnology/ Chemistry/Physics/ Mathematics/ BCA/BBA	Hindi	This course deals with different forms of Hindi prose. The main focus of the course is to describe the historical, conceptual, and contemporary aspects of Hindi prose with specified writings and various forms of applied Hindi grammar.

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12.	B.Sc. (Hons./Research) Biotechnology/ Chemistry/ Physics/ Mathematics/ BCA/BBA	Environment Studies	Environmental Studies is an interdisciplinary field that draws on knowledge and analytical tools from many areas of study to understand the function of natural ecosystems, the effects of human societies on the environment, and the role that the environment has played in shaping human cultures and artistic endeavors.
13.	M.Sc. Microbiology	Agriculture and Environmental Microbiology	To provide students a basic understanding of environmental and agricultural microbiology including; microbial diversity in the environment in relation to environment and agricultural welfare, ecosystem wellness, microbial interactions with pollutants in the soil and environment.
14.	M.Sc. Botany	Plant Ecology and Environment	To understand the environment and the basic concept of ecology. Students will be able to differentiate the climatic and edaphic, floral, and faunal characteristics of a major terrestrial biome. Moreover, the student will have an understanding of different types of pollution and their control measures.
15.	B Tech Biotechnology	Business Intelligence (BI) and its Applications	Students will be confident in oral and written communication skills along with overall personality development.
16.	B.Sc. Biotechnology (Hons./Research)	Research Publications and Ethics	This course focuses on the basics of the philosophy of science and ethics, research integrity, publication ethics, and identifying research misconduct and predatory publications.
17.	B.Sc. Biotechnology (Hons./Research)	Biotechnology and Human Welfare	The course provides a basic knowledge of applications of Biotechnology in industrial and medical fields.
18.	B.Sc. Biotechnology (Hons./Research)	Elementary Forensic Biotechnology	This course will provide an overview of biology as it relates to forensics. Topics will include sources and analysis of biological evidence, serology, species identification, identification of biological fluids, blood group typing, DNA extraction, DNA amplification, and electrophoresis. Laboratory activities will reinforce the concepts taught in lectures and provide hands-on experience with techniques.

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19.	B.Sc. Biotechnology (Hons./Research)	Bioethics and Biosafety	To introduce basic concepts of ethics and safety that are essential for different disciplines of science and procedures involved and protection of intellectual property and related rights. Moreover, students are able to understand the balanced integration of scientific and social knowledge in sustainable development.
20.	B.Sc. Biotechnology (Hons./Research)	Environmental Biotechnology	The proposed course is designed to teach students the scientific and engineering principles of microbiological treatment technologies to clean up contaminated environments and to generate valuable resources for human society.
21.	B.Sc. Biotechnology (Hons./Research)	Bio fertilizer & Vermicomposting	The main objective of the courses is to explore the possibilities with sustainable agriculture practices and various concepts from how to turn all kinds of waste garbage to valuable compost to impart the knowledge of converting weeds into food for earthworms and preparing vermicompost and more. This course included several topics on the general characteristics and cultural requirements of worms, substrates, advantages, and economics of Vermicomposting, and quality analysis of some vermicompost formulations.
22.	B.Sc. Biotechnology (Hons./Research)	Transgenic Biotechnology	The course will enable the students to acquaint themselves with genetically modified organisms and equip students with technologies for trait-specific modification and molecular farming to produce novel molecules.
23.	PhD (common to all streams)	Research Ethics, Methodology & Quantitative Methods	Students should be familiar with ethical issues in educational research, including those issues that arise in using quantitative and qualitative research.
24.	B.Tech Biotechnology	Business Processes	Students will be confident in oral and written communication skills along with overall personality development.
25.	B.Tech Biotechnology	Principle of Management	To introduce the basic concept of organization behaviour in industries, professional ethics in management. Also, to develop professional skills, traits and competencies for a successful management.

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26.	B.Tech Biotechnology	Entrepreneurship Development & Management	The course will impart ethical value in entrepreneurship development.
27.	B.Tech Biotechnology	Indian Constitution	The student will be able to analyze the History, and features of the Indian constitution, the role of the Governor and Chief Minister, the role of a state election commission, and the decentralization of power between central, state, and local self-government. Moreover, the student will also be able to evaluate the Preamble, Fundamental Rights and Duties, Zilla Panchayat, block level organization, various commissions viz. SC/ST/OBC, and women.
28.	B.Tech Biotechnology	Essence of Indian Traditional Knowledge	This course majorly covers the concept of Traditional knowledge and its importance, the need and importance of protecting traditional knowledge. The student will know the various enactments related to the protection of traditional knowledge, and also understand the concepts of Intellectual property to protect traditional knowledge.
29.	B.Tech Biotechnology	Disaster Management	To understand the key perspectives of disasters, hazards, and the related concepts using prevention, mitigation, preparedness, response, and recovery for disaster risk reduction in all sectors.
30.	BCA/B.Tech/B.Sc./ BPT/ BHMCT/BSc (HHA)/BFS/ MBBS, B.Sc. MLT, Radiography,. OTT, Dialysis, B.Sc. Optometry, BASLP/BDS	Environmental Studies	Environmental Studies is an interdisciplinary field that draws on knowledge and analytical tools from many areas of study to understand the function of natural ecosystems, the effects of human societies on the environment, and the role that the environment has played in shaping human cultures and artistic endeavors.
31.	BPT	Ethics and Law in Physiotherapy	This course will increase the student's knowledge of Health Law and its application to physiotherapy practice. Students will gain an understanding of ethics and bioethics and develop skills in working through complex moral and ethical issues, recognising and reflecting on different points of view.

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32.	MPT	Women's Health	This course aims to make students learn about the physiological development of women, women's mental wellness issues, common clinical issues related to women, and much more. The course is backed by scientific information and practical tips, thereby providing you with the best of both worlds.
33.	B.Tech (Computer Science & Engineering)	Disaster Management	To understand the key perspectives of disasters, hazards, and the related concepts using prevention, mitigation, preparedness, response, and recovery for disaster risk reduction in all sectors.
34.	B.Tech (Computer Science & Engineering)	Essence of Indian Traditional Knowledge	This course majorly covers the concept of Traditional knowledge and its importance, the need, and importance of protecting traditional knowledge. The student will know the various enactments related to the protection of traditional knowledge, and also understand the concepts of Intellectual property to protect traditional knowledge.
35.	B.Tech (Computer Science & Engineering)	Personality Development I/II	The course intends to develop talent and facilitate employability enabling the incumbent to excel and sustain in a highly competitive world of business. The program aims to bring about personality development about the different behavioural dimensions that have far-reaching significance in the direction of organisational effectiveness.
36.	B.Tech (Computer Science & Engineering)	Personality Development (Communicative English-Intermediate /Advanced Level)	This program helps the students to develop communication and language skills to a level where students can function effectively in an English speaking environment. The program also aims to bring about personality development in the different behavioural dimensions
37.	B.Tech (Computer Science & Engineering)	Entrepreneurship & Family Business	The main aim of the course is to allow the student to critically reflect on empirical material recognizing the rise of modern business and to appreciate the experience of individuals within specific family firms.
38.	B.Sc. (Medical/ Non-Medical)	Personality Development	The course will aim to achieve the professional development of the student in the context of the overall goal of the program. The course makes the student competent in teaching and research methodology.

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39.	M. Sc. Chemistry	Personality Development	The course will aim to achieve the professional development of the student in the context of the overall goal of the program. The course makes the student competent in teaching and research methodology.
40.	MBBS, B.Sc. MLT, B.Sc. Radiography, B.Sc. OTT, B.Sc. Dialysis, B.Sc. Optometry, BASLP/BPT/ B.Sc. (Medical/Non-Medical)/ Biotechnology	English	To enable the learner to communicate effectively and appropriately in real-life situations.
41.	MBBS	Communication Skills	Students will be confident in oral and written communication skills along with overall personality development.
42.	MBBS	Gender Sensitization	The Course specifically aims to build an understanding of women's status in our society and identify ways to address the same. It requires a new understanding of the construction of gender to reconstruct a 'gender-just society'.
43.	MBBS	Professionalism	This course helps students to understand the importance of displaying and maintaining professionalism at work. This course also focuses on workplace boundaries, methods for staying professional when conflicts arise, and more.
44.	MBBS	Medicolegal Aspects in Medicine	The course provides training to healthcare professionals and lawyers involved in the medico-legal aspects of healthcare in the areas of clinical risk management.
45.	Department of Law	Law of Crime	Course describes crime or offence as an act harmful not only to some individual or individuals but also to a community, society.
46.	Department of Law	Constitution and Legal History	The constitutions, especially codified constitutions, also act as limiters of state power, by establishing lines which a state's rulers cannot cross, such as fundamental rights.

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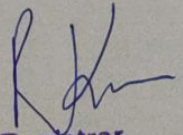
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47.	Department of Law	Civil Procedure Court	CPC is a procedural law related to the administration of civil proceedings in India to consolidate and amend the laws relating to the procedure of the Courts of Civil Judicature.
48.	Department of Law	Sociology	It is the study of social life, social change, and the social causes and consequences of human behavior.
49.	Department of Law	Right to Information Law	It shares right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability.
50.	Department of Law	Biodiversity Protection Law	A constitutional act offers in favor of conservation of biological diversity, sustainable, fair, equitable use of its components and biological resources.
51.	Department of Law	Labor and Industrial Laws	Its address the legal rights of employment, employee-employer relationships, wages and salaries, working conditions, occupational environment, etc.
52.	Department of Law	Crime and Criminology	To understand subject matter of crime and to determine how that understanding can benefit society
53.	Department of Law	Cyber Crimes	Students learn about any criminal activity that involves a computer, network or networked device
54.	Department of Law	Penology and Victimology	Course deals with care, custody, treatment, prevention, and control of crimes as well as to seek justice for victims of crime.


Registrar
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