

**MAHATMA GANDHI UNIVERSITY**  
**PRIYADARSINI HILLS P.O., KOTTAYAM-686 560**

**DETAILS OF OPEN COURSES SUGGESTED BY THE BOARD OF STUDIES/EXPERT COMMITTEES AND APPROVED BY THE UNIVERSITY UNDER THE CHOICE BASED CREDIT-SEMESTER AND GRADING SYSTEM FOR VARIOUS UNDERGRADUATE PROGRAMMES**

The following are approved Courses as Open Courses to be offered in Fifth Semester Degree Programmes.

Sl.No.	Offering Department	Offering Open Courses
1	ZOOLOGY	<ol style="list-style-type: none"> <li>1) Zy5D01U - Man, Nature and Sustainable Development</li> <li>2) Zy5D02U - Human Genetics, Nutrition, Community Health &amp; Sanitation</li> <li>3) Zy5D03U - Management of Ornamental fish Breeding, Rabbit Farming, Poultry, Quail Farming, Vermiculture, Bee Keeping &amp; Sericulture</li> <li>4) Zy5D04U - Food Microbiology</li> </ol> <ul style="list-style-type: none"> <li>• B.Sc. Botany Model-1 &amp; Model-2, B.Sc. Home Science, B.Sc. BT &amp; SP, B.Sc. Biotechnology Model-2 students may not be permitted to opt Elective 3 as their Open Course since they study part of this course as their complementary Zoology Course 4 in Semester 4 under the course title Applied Zoology.</li> <li>• B.Sc. Aquaculture students also may not be permitted to opt elective 3 as their Open Course since they study part of this course as their core course.</li> <li>• B.Sc. Microbiology students may not be permitted to opt elective 4 as their open course since they study this course as part of their core course.</li> </ul>
2	BOTANY	<ol style="list-style-type: none"> <li>1. Horticulture and Nursery Management</li> <li>2. Agribased Microenterprises</li> <li>3. Ecotourism</li> <li>4. Biotechnology</li> <li>5. Bioinformatics</li> </ol>
3	PHYSICS	<ol style="list-style-type: none"> <li>1. Amateur Astronomy</li> <li>2. Energy and Environmental Studies</li> </ol>

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4	Family and Community Science (Home Science)	<ol style="list-style-type: none"> <li>1. Interior decoration and related arts</li> <li>2. Life skill strategies and techniques</li> <li>3. Nutrition for wellness</li> <li>4. Self empowerment skills</li> </ol>
5	Mathematics	<ol style="list-style-type: none"> <li>1. Mathematical Modeling</li> <li>2. Applicable Mathematics</li> <li>3. Financial Mathematics</li> <li>4. Mathematical Economics</li> </ol>
6	Political Science	<ol style="list-style-type: none"> <li>1. <b>PS5D01UG</b> – New Social Movements in India</li> <li>2. <b>PS5D02UG</b> – Contemporary Social and Political Issues</li> <li>3. <b>PS5D03UG</b> – Environmental Politics and Policy</li> <li>4. <b>PS5D04UG</b> – Introduction to Intellectual Property Rights</li> <li>5. <b>PS5D05UG</b> – Women &amp; Politics</li> <li>6. <b>PS5D06UG</b> – Introduction to Defence and Strategic Studies</li> <li>7. <b>PS5D07UG</b> – Human Rights in India</li> </ol>
7	B S W	Computer Course
8	B.Sc. BIOLOGICAL TECHNIQUES & SPECIMEN PREPARATION	<b>Semester – V : ZY5D02U</b> : Human Genetics, Nutrition, Community Health and Sanitation / Food Microbiology
9	Chemistry	<b>CH5D01.1</b> : Dairy Science <b>CH5D01.2</b> : Food Science <b>CH5D01.3</b> : Forensic Science <b>CH5D01.4</b> : Environmental Chemistry <b>CH5D01.5</b> : Chemistry in Everyday Life <b>CH5D01.6</b> : Nanoscience and Nanotechnology
10	ENGLISH	<b>ENOG1</b> – Theory, Language and Appreciation of Films – 4 hrs./week – 4 credits <b>ENOG2</b> – Media Studies – 4 hrs./week – 4 credits <b>ENOG3</b> – English for Careers – 4 hrs./week – 4 credits
11	SOCIOLOGY	<ol style="list-style-type: none"> <li>1. Media and Society</li> <li>2. Sociology of Tourism</li> <li>3. Elements of Social Psychology</li> </ol>
12	Sanskrit Special Vedanta	Yoga Theory and Practice
	Sanskrit Language & Literature (General)	Kudiyattam
	Sanskrit Special Subjects - Nyaya, Sahitya, Vedanta and Vyakarana	<ol style="list-style-type: none"> <li>1. Basics of Indian Vastuvidya (selected for 2009 Admn.)</li> <li>2. Environmental Science in Sanskrit</li> <li>3. Yoga Theory and Practice (for 2009 Admn.)</li> <li>4. Fundamental Principles of Indian</li> </ol>

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		Astrology
13	ARABIC	A Package in Gulf Arabic
14	PHYSICAL EDUCATION	1) Physical Health and Life Skills Education 2) Health And fitness Education 3) Physical Activity, Health and Wellness
15	COMPUTER SCIENCE & COMPUTER APPLICATIONS	INTERNET, WEB DESIGNING AND CYBER LAWS
16	HISTORY	1) Social Implication of Modern Revolutions 2) Environmental History in the Indian Context 3) Gender Studies 4) Capitalism and Colonialism 5) Culture of Early Communications
17	HINDI	Film Studies
18	GERMAN	Foundation Course in German
19	B.Sc. CLINICAL NUTRITION AND DIETETICS	Food Preservation
20	B.Sc. (MICROBIOLOGY)	1) Human Physiology 2) Bio instrumentation and Techniques
21	B.Sc. INDUSTRIAL MICROBIOLOGY & ZOOLOGY (DOUBLE CORE)	Food Microbiology
22	B.Sc. Bio-chemistry	1. Health and nutrition 2. Environmental Biochemistry 3. Waste Management
24	MALAYALAM	1) ഓരോ ഭാഗത്തും ഉൾപ്പെടുന്ന 2) ഇപ്പോൾ 3) ഏതെങ്കിലും ഒരു വിഷയം
25	ECONOMICS	1) Foundations of Environmental Economics 2) Readings in Economics 3) Agricultural Economics Economics of Population
26	Philosophy	1. Philosophy of Science 2. Philosophy of Self- Management 3. Yoga and Personality Development 4. Logic and Reasoning Aptitude 5. Applied Ethics 6. Introduction to Philosophical Analysis
27	B.Com	1. Fundamentals of Accounting 2. Business Ethics 3. Insurance And Risk Management

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		<ul style="list-style-type: none"> <li>4. Capital Market &amp; Investment Management</li> <li>5. Financial Investment</li> </ul>
28	BBA	Investment and Portfolio Management
29	STATISTICS	<ul style="list-style-type: none"> <li>1. Applied Statistics</li> <li>2. Bio-Statistics</li> <li>3. Spread Sheet Calculations and Elementary Data Analysis</li> <li>4. Statistical Applications Using R</li> </ul>
30	BTS	<ul style="list-style-type: none"> <li>1. Advanced Financial Accounting</li> <li>2. Public Relations and Tourism Journalism</li> <li>3. Front Office Management</li> <li>4. Tourism Planning and Development</li> </ul>