



ALPHONSA COLLEGE, PALA

Reaccredited to A Grade by NAAC in the
4th Cycle of Accreditation (CGPA 3.24)

Affiliated to Mahatma Gandhi University, Kottayam

Course Outcomes



**THE MAHATMA GANDHI UNIVERSITY
UNDERGRADUATE PROGRAMMES
(HONOURS) SYLLABUS
MGU-UGP (Honours)
(2024 Admission Onwards)**



**Faculty: Science
BoS: Botany
Subject: Bachelor of Science
(Honours) Botany**

Mahatma Gandhi University
Priyadarshini Hills
Kottayam – 686560, Kerala, India



Mahatma Gandhi University Kottayam

Programme	BOTANY					
Course Name	Fascinating world of plant sciences					
Type of Course	DSC A					
Course Code	MG1DSCBOT100					
Course Level	100					
Course Summary	<p>The course entitled ‘Fascinating world of plant science and technology’ aims to impart an understanding on the significance of plants to the future generation. Students will be familiarized with eminent botanists and their contributions to plant science. They will be introduced to the major plant groups and their uniqueness in terms of size, shape, habitat and associations. Students are expected to develop a passion to explore the plant kingdom as well as to make serious attempts to conserve plants. Knowledge about traditional and modern approaches in plant sciences and major branches related to plant science will also be acquired.</p>					
Semester	I	Credits			4	Total Hours
Course Details	Learning approach	Lecture	Tutorial	Practical	Others	
		3	-	1	-	75
Prerequisite, if any	Should have basic knowledge of Botany and Botanical Skills					

COURSE OUTCOMES (CO)

CO No.	EXPECTED COURSE OUTCOME	LEARNING DOMAINS *	PO No
01	Comprehend the relevance of plants, important milestones in the history of botany, and human efforts to realize life on Earth.	U	PO 8, PO 10
02	Illustrate the diversity and evolutionary trends throughout the plant world that lay a solid foundation for the branch of natural philosophy, botany.	An	PO 2, PO 1
03	Develop basic skills on instruments and techniques used in Botanical studies.	A	PO 2, PO 5
04	Facilitate awareness on the areas of research and potentials in the field of plant science.	C	PO 3, PO 4
05	Design experiments and communicate ideas, which would translate into a lasting and practical basis for building a career.	C	PO 10, PO 8, PO 6

**Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)*

MGU-UGP (HONOURS)

Syllabus



Mahatma Gandhi University Kottayam

Programme	BOTANY					
Course Name	Ecotourism					
Type of Course	MDC					
Course Code	MG1MDCBOT100					
Course Level	100					
Course Summary	The course titled “Ecotourism” provides a comprehensive exploration of sustainable tourism practices and their impact on the environment. The course describes the principle, scope, and role of ecotourism in achieving conservation goals, community engagement and benefits, ecotourism resources, planning steps of ecotourism and the role of international non-governmental organizations in ecotourism.					
Semester	I	Credits			3	Total Hours
Course Details	Learning Approach	Lecture	Tutorial	Practical	Others	
		2	-	1	-	60
Pre-requisites, if any	There are no specific prerequisites for this course.					

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No
1	Describe the fundamental principles and concepts of ecotourism	U	PO1, PO10
2	Summarize the components of ecotourism and the role of NGOs in ecotourism	U	PO1, PO 8
3	Examine the characteristics and functioning of various centers of ecotourism in India	An	PO 4
4	Explain the role of ecotourism in livelihood security	E	PO 2, PO 6
5	Design an ecotourism plan and management of ecotourism initiatives from case studies from successful ecotourism projects.	C	PO 3, PO 4, PO 9

**Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)*

COURSE CONTENT

Module	Units	Course description	Hrs	CO No.
1	Introduction to Ecotourism and Biodiversity Conservation (15 hours)			
	1.1	Definition, concept, principles, relevance and scope, do's and don'ts of tourists in ecotourism, ecotourism impact on the environment. Eco-friendly practices, responsible tourism, sustainable tourism.	3	1
	1.2	Components of ecotourism-biodiversity conservation, education, local people, environmental awareness, cultural diversity and respect, responsible marketing, economic and social benefits.	3	1

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UNDERGRADUATE PROGRAMMES
(HONOURS) SYLLABUS
MGU-UGP (Honours)
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Faculty: Science
BoS: Chemistry
Subject: Bachelor of Science
(Honours) Chemistry

Mahatma Gandhi University
Priyadarshini Hills
Kottayam – 686560, Kerala, India



Mahatma Gandhi University Kottayam

Programme	BSc (Hons) CHEMISTRY					
Course Name	Fundamentals of Chemistry-1					
Type of Course	DSC A					
Course Code	MG1DSCCHE100					
Course Level	100-199					
Course Summary	This course covers the basic principles and concepts of atoms, elements, compounds, and fundamentals of organic chemistry. Students explore atomic structure, electron displacements in organic chemistry, reactive intermediates, and the periodic table to understand the foundation of chemical interactions.					
Semester	I	Credits			4	Total Hours
Course Details	Learning approach	Lecture	Tutorial	Practical	Others	
		3		1		75
Pre-requisites, if any	MGU-UGP (HONOURS)					

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No
1	Apply atomic models to forecast and explain electronic configurations, atomic behaviour, and characteristics.	A	1,2
2	Describe the relevance of organic chemistry, catenation and hybridisation.	U	1,2,10
3	Evaluate electron displacement patterns in organic molecules using arrow notation.	E	1,2
4	Utilize arrow-pushing mechanisms to illustrate and solve simple chemical reactions involving reactive intermediates.	A	1,2

5	Analyse periodic trends, the relationship between electronic configuration and the chemical reactivity of elements, including the formation of chemical bonds.	An	1,2
6	Identify metals through flame and spot tests, chloride in water, and lead in food samples, and acquire skill in organic preparation.	S	1,2,10
<i>*Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)</i>			

COURSE CONTENT

Content for Classroom Transaction (Units)

Module	Units	Course description	Hrs	CO No.
1	Atomic Structure			
	1.1	Atomic spectrum of hydrogen atom, explanation using Bohr atom model, limitations of Bohr atom model.	4	1
	1.2	Dual nature of matter, de Broglie equation, Heisenberg's uncertainty principle and its significance.	2	1
	1.3	Concept of orbit and orbital. Types of orbitals, shapes of s, p and d orbitals.	2	1
	1.4	Quantum numbers and their significance.	2	1
	1.5	Pauli's Exclusion Principle, Hund's rule of maximum multiplicity and Aufbau principle.	2	1
	1.6	Electronic configuration of atoms (upto atomic number 30). Stability of half-filled and completely filled electronic configurations.	3	1
2	Fundamentals of Organic Chemistry			
	2.1	Relevance of organic chemistry in day-to-day life (with 2-3 examples). Carbon: catenation and hybridisations (with examples ethane, ethene and ethyne).	3	2
	2.2	Arrow notations, bond fissions: curved arrow notation, drawing electron displacements with curved arrows, curved and fishhook arrows in	2	3,4



Mahatma Gandhi University Kottayam

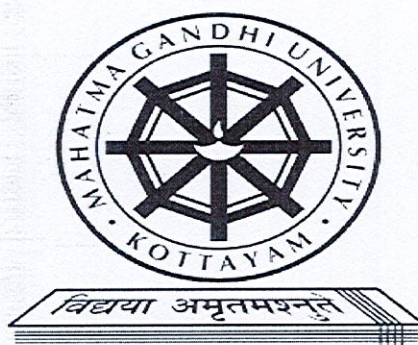
Programme						
Course Name	Food Chemistry and Nutrition					
Type of Course	MDC					
Course Code	MG1MDCCHE100					
Course Level	100-199					
Course Summary	This course provides a comprehensive understanding of the composition and health implications of various food items.					
Semester	I	Credits			3	Total Hours
Course Details	Learning Approach	Lecture	Tutorial	Practical	Others	
		2		1		60
Pre-requisites, if any						

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No
1	Describe the concept of nutrition	U	1,2,3
2	Identify the use of various food additives	A	1,3,10
3	Describe the health effects of food adulterants	U	1,2,3,6 ,8,10
4	Evaluate different adulterants in food	E	1,2,3,6, 10
5	Apply the concept of food chemistry to conduct simple laboratory experiments.	A	1,2,3,4 ,10

**Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)*

THE MAHATMA GANDHI UNIVERSITY
UNDERGRADUATE PROGRAMMES
(HONOURS) SYLLABUS
MGU-UGP (HONOURS)
(2024 Admission Onwards)



Faculty: Science
Expert Committee: Clinical Nutrition and
Dietetics
Programme: Bachelor of Science (Honours)
Clinical Nutrition and Dietetics

Mahatma Gandhi University
Priyadarsini Hills
Kottayam- 686560, Kerala, India



**Mahatma Gandhi University
Kottayam**

Programme	BSc (Hons) Clinical Nutrition and Dietetics					
Course Name	BASIC NUTRITION AND DIETETICS					
Type of Course	Major					
Course Code	MG1DSCCND100					
Course Level	100-199					
Course Summary	The course is designed to provide students with a solid foundation in understanding the relation between nutrition and health and to prepare them for further study and careers in the field of nutrition and dietetics.					
Semester	1	Credits			4	Total Hours
Course Details	Learning Approach	Lecture	Tutorial	Practical	Others	
Pre-requisites, if any	Basic knowledge in science					75

COURSE OUTCOMES (CO)

CO NO.	Expected Course Outcome	Learning Domains *	PO NO.
CO1	Define the key concepts in nutrition and food groups	K	1
CO2	Describe the fundamentals of macronutrients	U	1
CO3	Summarize on role, sources and requirements of micronutrients	U	1
CO4	Identify the role of dieticians, principles of diet therapy and routine hospital diets	U	1, 2, 4
CO5	Practice the basic concepts of weights and measurements of foods and prepare different therapeutic diet	A	1, 2

***Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)**



**Mahatma Gandhi University
Kottayam**

Programme						
Course Name	FOOD AND NUTRITION					
Type of Course	MDC					
Course Code	MG1MDCCND100					
Course Level	100-199					
Course Summary	The course aims to provide a comprehensive understanding of the principles and practices related to food, nutrition and their impact on human health.					
Semester	1	Credits			3	Total Hours
Course Details	Learning Approach	Lecture	Tutorial	Practical	Others	
		2	0	1	0	60
Pre-requisites, if any	Basic knowledge in science					

COURSE OUTCOMES (CO)

CO NO.	Expected Course Outcome	Learning Domains *	PO NO.
CO1	Identify the basic concepts of food and nutrition.	U	1
CO2	Discuss the classification and role of different macronutrients.	U	2
CO3	Discuss the classification and role of different micronutrients.	U	2
CO4	Develop models and recipes to create awareness about healthy eating pattern.	A	10

**Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)*

THE MAHATMA GANDHI UNIVERSITY
UNDERGRADUATE PROGRAMMES
(HONOURS) SYLLABUS
MGU-UGP (Honours)
(2024 Admission Onwards)



Faculty: Commerce
BoS: Commerce
Subject: Bachelor of Commerce (Honours)

Mahatma Gandhi University
Priyadarshini Hills
Kottayam – 686560, Kerala, India



Mahatma Gandhi University Kottayam

Programme	B Com. Honours					
Course Name	BASIC FINANCE FOR DAILY LIFE					
Type of Course	DSC A					
Course Code	MG1DSCCOM100					
Course Level	100					
Course Summary	This course aims to convey the focus and purpose of financial literacy, its foundational concepts, budgeting, and investing. The course is designed to equip students with knowledge and skills needed to engage in effective financial planning, helping them navigate various financial aspects across different life stages.					
Semester	1	Credits			4	Total Hours
Course Details	Learning Approach	Lecture	Tutorial	Practical	Others	
		3	0	1	0	75
Pre-requisites, if any	Nil					

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains*	PO No
1	Understand the concepts regarding financial literacy, financial education, and financial socialization	Understand	1
2	Apply the concepts of financial literacy for decision making regarding the selection of financial products or services	Apply	1, 10
3	Analyse the prospects of financial products/services and identify the best options.	Analyse	2
4	Evaluate the financial behaviour of individuals and suggest the best.	Evaluate	2,10
5	Design financial literacy campaigns.	Create	6,7,9

***Remember(K), Understand(U), Apply(A), Analyse(An), Evaluate(E), Create(C), Skill (S), Interest (I) and Appreciation (Ap)**



Mahatma Gandhi University Kottayam

Programme						
Course Name	BUSINESS ORGANISATION AND ENTREPRENEURSHIP					
Type of Course	MDC					
Course Code	MG1MDCCOM100					
Course Level	100					
Course Summary	This course is intended to create an awareness among non-commerce students regarding business enterprises, establishment, entrepreneurship and the journey of entrepreneurs. The course in addition to developing a theoretical understanding, provides a platform for learning through activities.					
Semester	1			Credits		3
Course Details	Learning Approach	Lecture	Tutorial	Practical	Others	Total Hours
		2	0	1		
Pre-requisites, if any						

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome At the end of the course the students shall be able to:	Learning Domains*	PO No
1	Develop an understanding on the concept, classification, and importance of business organisation	Understand,	1,2,3
2	Analyse the concept, functions and role of entrepreneurs and understand the process of establishment of enterprises	Analyse	1,3,5
3	To understand the fundamentals connected with establishment and development of enterprises, various models and design of enterprises.	Understand	2,5,6
4	Evaluate the process of establishment of enterprises through cases and visits and presenting the ideas	Evaluate, Interest	2,5,6

**Remember(K), Understand(U), Apply(A), Analyse(An), Evaluate(E), Create(C), Skill (S), Interest (I) and Appreciation (Ap)*

COURSE CONTENT



Mahatma Gandhi University Kottayam

Programme						
Course Name	PERSONAL FINANCE AND PLANNING					
Type of Course	MDC					
Course Code	MG1MDCCOM101					
Course Level	100					
Course Summary	This course aims to acquaint students with various facets of financial planning, covering areas such as savings, investment, insurance, and retirement planning. The objective is to cultivate essential skills that fosters a comprehensive understanding of the intricacies involved in managing personal finances successfully. Through this curriculum, students will gain the knowledge needed to navigate the complexities of personal financial planning					
Semester	1	Credits			3	Total
Course Details	Learning Approach	Lecture	Tutorial	Practical	Others	Hours
		2	-	1	-	60
Pre- requisites, if any						

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains*	PO No
1	To understand the steps involved in the personal financial planning process	Understand	1,2, 10
2	To acquaint individuals with the concept of investment management	Apply	2,6,10
3	To develop insightful perspectives in to the intricacies of insurance & retirement planning	Analyse	2,6,10
4	To develop a simple personalized retirement calculator using spreadsheet	Apply	2,6

**Remember(K), Understand(U), Apply(A), Analyse(An), Evaluate(E), Create(C), Skill(S), Interest (I) and Appreciation (Ap)*

**THE MAHATMA GANDHI UNIVERSITY
UNDERGRADUATE PROGRAMMES
(HONOURS) SYLLABUS
MGU-UGP (Honours)
(2024 Admission Onwards)**



Faculty: Social Sciences

BoS: Economics

**Programme: Bachelor of Arts (Honours)
Economics**

**Mahatma Gandhi University
Priyadarshini Hills
Kottayam – 686560, Kerala, India**



Mahatma Gandhi University

Kottayam

Programme	BA (Hons) Economics					
Course Name	Essentials of Economics - I					
Type of Course	DSC A					
Course Code	MGIDSCECO100					
Course Level	100-199					
Course Summary	This course is designed to provide the learners with a comprehensive understanding of the fundamentals of Economics. By exploring the basic principles of economics, students will explore key concepts such as market mechanism, the role of government and the significance of trade. The course also aims at equipping the learners in viewing the real world scenarios and problems from the perspective of Economics.					
Semester	1	Credits			4	Total Hours
Course Details	Learning Approach	Lecture	Tutorial	Practical / Practicum	Others	
		3		1		75
Pre-requisites, if any						

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome <i>Upon completion of this course, the students will be able to:</i>	Learning Domains *	PO No
1	understand some of the basic concepts and principles of economics	U	1,2,3,10
2	understand how the market mechanism works	U	1,2
3	analyze the various types of elasticities and their economic implications.	An	1,2,10
4	evaluate the fundamental ways of government intervention in the market mechanism.	E	1,2
5	understand the role of trade in an economy	U	1,2,10

**Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)*

COURSE CONTENT**Content for Classroom Transactions (Units)**

Module	Units	Course description	Hrs	CO No.
1		Economics – Concepts and Principles	23	
	1.1	Economics: meaning, definition, nature, scope and significance – The twin branches of economics - Microeconomics and Macroeconomics - Conceptual differences – Economic Agents: Consumer – Producer - Government - External Sector - Financial System.	5	1
	1.2	Ten Principles of Economics - How people make decisions?: people face trade-offs – everything comes with a cost – thinking at the margin – people respond to incentives, How people interact?: significance of trade – role of markets – role of government, How the economy works?: standard of living of an economy - general price level and money - the inflation - unemployment trade off.	6	1



Mahatma Gandhi University Kottayam

Programme						
Course Name	Economics and Finance in Everyday Life					
Type of Course	MDC					
Course Code	MG1MDCECO100					
Course Level	100-199					
Course Summary	Acquiring life skills is an important objective of education. Some of those skills can be provided directly through courses under programmes. The Economics and Finance in Everyday Life is designed to equip the students to take right decisions based on the logic of economics, especially related to finance and management. When acquiring such knowledge and approach, the students can navigate through the life challenging situations so that they emerge as successful individuals. Similarly, the students should be conditioned with right perspective in their decision making responsibility as consumers, citizens, managers and public servants.					
Semester	1	Credits			3	Total Hours
Course Details	Learning Approach	Lecture 2	Tutorial	Practical / Practicum 1	Others	
Pre-requisites, if any						

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome <i>Upon completion of this course, the learner will be able to:</i>	Learning Domains *	PO No
1	examine the role of different rational and psychological factors in configuring economic and financial decisions.	E	3
2	understanding time element and other factors influencing investment decisions.	U	2

3	analysing financial decisions using different tools like decision matrix, financial ratios etc.	An	9,10
4	examining the various risk in dealing with financial decisions.	E	9, 10
5	understanding the various methods of secure and stable personal finance management.	U	7,9
6	providing an awareness about the risks and opportunities of various personal finance options.	U	7, 9
*Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)			

COURSE CONTENT

Content for Classroom Transactions (Units)

Module	Units	Course description	Hrs	CO No.
1	Human Behaviour and Economic Decisions		20	
	1.1	Basic concepts related to economic decisions: Scarcity, choices and rational decision making-Importance of choices -Every decision bears a cost: recognising opportunity cost (e.g. making investment in bonds or equities)-Value of informed decisions and the problem of asymmetric information-Rational and emotional factors (features) in decision making-PACED model-Trade-offs in financial decision making (e.g. between risk and return).	5	1
	1.2	Heuristics, bounded rationality-Risk and uncertainty-Role of different cognitive biases influencing financial and economic decisions.	2	1
	1.3	Mental accounting and financial decisions-Benefits of human capital formation (investing in yourself) and entrepreneurship (working for yourself).	2	1
	1.4	Economics of Happiness-Altruism-Neuroeconomics.	1	2
Practicum	Prepare a brief review of the behavioural factors influencing economic decisions. Analyse the trade off in financial decision making. Design a behavioural case study where bounded rationality influences economic decisions. Prepare a report on how altruism configures modern social approach.		10	2
2	Personal Finance and Economics in the Digital Era		20	
	2.1	Time element and rate of return: Importance of time value of money in assessing future income flows-Rate of return: annual rate of return, real rate of return and expected rate of return-Simple and compound interest.	3	2

**THE MAHATMA GANDHI UNIVERSITY
UNDERGRADUATE PROGRAMMES (HONOURS)**

SYLLABUS

MGU-UGP (Honours)

(2024 Admission Onwards)



Faculty: Language and Literature

BoS: English

**Programme: Bachelor of Arts
(Honours) English**

Mahatma Gandhi University
Priyadarshini Hills
Kottayam – 686560, Kerala, India



Mahatma Gandhi University Kottayam

Programme	BA (Hons) English					
Course Name	Literary Genres: Poetry, Fiction and Folktales					
Type of Course	MAJOR					
Course Code	MG1DSCENG100					
Course Level	100-199					
Course Summary	This course intends to familiarise students with two major genres (poetry and fiction) of English literature, along with its structural and thematic features. The emphasis is on how language transforms into literature.					
Semester	1	Credits			4	Total Hours
Course Details	Learning Approach	Lecture	Tutorial	Practical	Others	
		3	0	1	0	75
Pre-requisites, if any						

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No
1	Identify different poetic and narrative devices	K	1,4
2	Understand the literary concepts like theme, character and setting.	U	7
3	Understand various Indian and world Oral Cultures	U	7
4	Illustrate students with the nature and characteristics of literature	U	10
5	Understand two key genres of literature, poetry and fiction.	U	2
6	Understand the sociocultural context of the prescribed texts	U	1,6

**Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)*

COURSE CONTENT

Content for Classroom transaction (Units)



Mahatma Gandhi University Kottayam

Programme						
Course Name	Folk Tales and Songs from India					
Type of Course	MDC					
Course Code	MG1MDCENG100					
Course Level	100-199					
Course Summary	This multidisciplinary course provides a comprehensive idea of folktales and songs from India. The course elucidates the interconnectedness of culture, societal structure, geography, history of the land, and literature					
Semester	1	Credits			3	Total Hours
Course Details	Learning Approach	Lecture	Tutorial	Practical	Others	
Pre-requisites, if any		2	0	1	0	60

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No
1	Identify the essential concepts and features of folk songs	U	3,7
2	Understand the nature and the types of tales that are mainly transmitted orally	U	3,7
3	Analyse the cultural patterns available in folk songs	An	1,6,7
4	Analyse the thematic intricacies expressed in folk tales	An	1,3,7
5	Understand the cultural untranslatability of folk	U	4,1
6	Analyse the present status of folk and the need to preserve tales and songs of Kerala	An	1,9,7

**Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)*

COURSE CONTENT

Content for Classroom transaction (Units)



Mahatma Gandhi University Kottayam

Programme						
Course Name	Narratives of Humour					
Type of Course	MDC					
Course Code	MG1MDCENG101					
Course Level	100-199					
Course Summary	This course explores the narrative techniques and cultural contexts of humour in literature. Students will examine various genres and forms of humour, from classical satire to modern comedic fiction, to understand how humour is constructed and its impact on readers and society.					
Semester	1	Credits			3	Total Hours
Course Details	Learning Approach	Lecture	Tutorial	Practical	Others	
Pre-requisites, if any						60

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No
1	Understand and analyse the fundamental elements of humour in literature.	U	3,7
2	Identify and compare different types of humour across various literary genres and historical periods.	U	3,7
3	Critically evaluate the social, cultural, and political functions of humour in literature.	An	1,6,7
4	Develop skills in writing and presenting humorous narratives.	An	1,3,7
5	Enhance appreciation for the diversity and complexity of humorous texts.	U	4,1

**Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)*

COURSE CONTENT

Content for Classroom transaction (Units)



Mahatma Gandhi University Kottayam

Programme						
Course Name	Content Writing					
Type of Course	MDC					
Course Code	MG1MDCENG102					
Course Level	100-199					
Course Summary	A foundation course covering all aspects of content creation, from the fundamentals of writing to specialized digital and promotional communication, enhanced with practical exercises for real-world application					
Semester	1	Credits			3	Total Hours
Course Details	Learning Approach	Lecture	Tutorial	Practical	Others	
		2	0	1	0	60
Pre-requisites, if any						

COURSE OUTCOMES (CO)

Co. No	Expected Course Outcome	Learning Domains *	PO No
1	Understand the role and importance of content writing in today's digital landscape.	U	1, 2
2	Illustrate different types of content and the platforms they are suited for.	U	1, 2
3	Apply content development principles from conceptualization to formatting while enhancing quality through editing and proofreading	A	1, 2, 4
4	Create engaging and purpose-driven content for social media platforms, websites, e-commerce and blogs.	C	1, 2, 3, 4
5	Make use of techniques for creating SEO-friendly content and promoting it effectively.	A	1, 2, 3
6	Understand the ethical guidelines and plagiarism laws to ensure integrity in content creation.	U	8

***Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)**



Mahatma Gandhi University Kottayam

Programme						
Course Name	English for Arts and Humanities Part I					
Type of Course	AEC					
Course Code	MG1AECENG101					
Course Level	100-199					
Course Summary	The course equips Arts and Humanities students to further develop their reading and writing skills. It enhances competence in using appropriate vocabulary and sensible sentence construction. The course equips the learners to effectively use language in academic and real life situations.					
Semester	1	Credits			3	Total Hours
Course Details	Learning Approach	Lecture	Tutorial	Practical	Others	
		3	0	0	0	45
Pre-requisites, if any						

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No
1	Demonstrate basic communication skills for everyday use	A	4,1,10
2	Construct grammatically acceptable sentences	A	4,1,10
3	Explain elements of narratives like plot, characters and themes	A	8,10
4	Identify the literary devices employed in a poem, short story, essays	U	1,10
5	Demonstrate critical thinking through reading of texts	An	1,4,8

**Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)*

COURSE CONTENT

Content for Classroom transaction (Units)



Mahatma Gandhi University Kottayam

Programme						
Course Name	English for Science Part I					
Type of Course	AEC					
Course Code	MG1AECENG100					
Course Level	100-199					
Course Summary	The course equips science students to further develop their reading and writing skills. It builds competence in using appropriate vocabulary and sensible sentence construction. The course equips the learners to effectively use language in academic and real life situations.					
Semester	1	Credits			3	Total Hours
Course Details	Learning Approach	Lecture	Tutorial	Practical	Others	
		3	0	0	0	45
Pre-requisites, if any						

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No
1	Demonstrate basic communication skills for everyday use	A	4,1,10
2	Construct grammatically acceptable sentences	A	4,1,10
3	Explain elements of narratives like plot, characters and themes	A	8,10
4	Identify the literary devices employed in a poem, short story, essays	U	1,10
5	Demonstrate critical thinking through reading of texts	An	1,4,8

**Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)*

COURSE CONTENT - Content for Classroom transaction (Units)



Mahatma Gandhi University Kottayam

Programme						
Course Name	English for Commerce Part I					
Type of Course	AEC					
Course Code	MG1AECENG102					
Course Level	100-199					
Course Summary	The course equips Commerce students to further develop their reading and writing skills. It builds competence in using appropriate vocabulary and sensible sentence construction. The course equips the learners to effectively use language in academic and real life situation.					
Semester	1	Credits			3	Total Hours
Course Details	Learning Approach	Lecture	Tutorial	Practical	Others	
Pre-requisites, if any						
		3	0	0	0	45

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No
1	Demonstrate basic reading and writing skills for everyday use	A	4,1,10
2	Construct grammatically acceptable sentences	A	4,1,10
3	Explain elements of narratives like plot, characters and themes	A	8,10
4	Identify the literary devices employed in a poem, short story, essays	U	1,10
5	Demonstrate critical thinking through reading of texts	An	1,4,8

**Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)*

COURSE CONTENT - Content for Classroom transaction (Units)

**THE MAHATMA GANDHI UNIVERSITY
UNDERGRADUATE PROGRAMMES (HONOURS)
SYLLABUS**

MGU-UGP (Honours)

(2024 Admission Onwards)



Faculty : Language And Literature

BoS : Hindi

Programme: BA(Honours)Hindi

**Mahatma Gandhi University
Priyadarshini Hills
Kottayam – 686560, Kerala, India**



Mahatma Gandhi University Kottayam

Programme						
Course Name	हिंदी कहानियों में नव माध्यम (New Media in Hindi Stories)					
Type of Course	AEC / HUMANITIES					
Course Code	MG1AECHIN101					
Course Level	100-199					
Course Summary	The course explores the influence of emerging digital technologies in Hindi Literature, especially in stories. It provides students with a comprehensive understanding of how the use of new media related words enriches and shapes modern Hindi short stories. Through analysis, discussion and creative practice, students develop the skills to engage critically and creatively with the intersection of language, technology and storytelling in contemporary Hindi Literature.					
Semester	1	Credits			3	Total Hours
Course Details	Learning Approach	Lecture	Tutorial	Practical	Others	
		3	-	-	-	45
Pre-requisites, if any	A foundational understanding of Hindi language and literature including reading, writing, speaking and comprehension skills.					

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No.
Upon the completion of the course, the student will be able to:			
1	Recall and classify different types of communication	U	1,3,4,6
2	Recognize the influence of new media in contemporary Hindi Short Stories.	U	1,3,6
3	Verifies, differentiate and discuss about the style and structure of modern Hindi short stories.	S	1,4,7
4	Identifies contemporary digital culture and engage with current social trends	E	1,3,4,6,8,9
5	Select the new words which are related to the modern digital world and identify the same used in the modern Hindi Short Stories and prepares a list	S	1,2,3



Mahatma Gandhi University Kottayam

Programme						
Course Name	नाटक तथा सम्प्रेषण की हिंदी (Drama and Communicative Hindi)					
Type of Course	AEC / COMMERCE					
Course Code	MG1AECHIN102					
Course Level	100-199					
Course Summary	This course provides a comprehensive framework for studying 'Garibi hatao' by Sarveshwar Dayal Saxena, covering various aspects of drama's themes, plot and legacy. It explores timeless issues and reflect on the complexities of rural life in India. Also, it focuses on developing practical languages skills for effective communication in Hindi at particular places like Bank, railway station, market etc.					
Semester	1	Credits			3	Total Hours
Course Details	Learning Approach	Lecture	Tutorial	Practical	Others	
		3	-	-	-	45
Pre-requisites, if any	Students should have proficiency in reading and understanding Hindi texts.					

MGU-UGP (HONOURS)

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No.
Upon the completion of the course, the student will be able to:			
1	Summaries Hindi dramatic literature and playwrights	U	1,3,9
	Develop communicative skill and develop insights through roleplay.	C	1,2,3,4,5,6,9
	Support creativity and self-expression.	Ap	2,3,4,7,8
	Observes similar drama and learn real life skill and social skills	I	
	Practice theatrical skills and use them to perform on stage.	A	2,3,4,5,6,9
	Identifies and justify humanity and get familiarized with reality in human life.	E	1,2,4,6,7,8
	Use voice as expressive tool for the actor	A	2,3,4,9,10



Mahatma Gandhi University Kottayam

Programme						
Course Name	हिंदी साहित्य में पर्यावरण (Environment in Hindi Literature)					
Type of Course	AEC / SCIENCE					
Course Code	MG1AECHIN100					
Course Level	100-199					
Course Summary	This course offers a compelling exploration of dynamic social and environmental shifts through carefully selected stories and poems. Through an inter disciplinary approach, students explore the profound connections between literature and environmental activism. Overall, this course aims to foster a deeper understanding of environmental issues and inspire students to become environmentally conscious citizens.					
Semester	1	Credits			3	Total Hours
Course Details	Learning Approach	Lecture	Tutorial	Practical	Others	
		3	-	-	-	45
Pre-requisites, if any	Students should have basic language proficiency in Hindi. A strong interest in both literature and environmental studies is recommended.					

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No.
Upon the completion of the course, the student will be able to:			
1	Gain a comprehensive understanding of environmental concepts and issues.	U, A	1,3,6
2	Explain and justifies the significance of Hindi literature engaging with themes and messages	An	1,2,3,4,6
3	Review the portrayal of environmental challenges in different forms of Hindi literature	E	1,2,3,4,6,9
4	Discuss literary narratives that articulate solution to environmental issues	I	1,2,3,4,5,6,7,8
5	Develop reading and writing skills	A	4,10
6	Identify and discuss the problems in the day-to-day life	I	1,2,3,6,9



Mahatma Gandhi University Kottayam

Programme						
Course Name	प्यारी हिन्दी (Lovely Hindi)					
Type of Course	MDC					
Course Code	MG1MDCHIN100					
Course Level	100-199					
Course Summary	The Course provides basic knowledge in Hindi. Develops the ability to improve their reading, writing and communicative skills.					
Semester	1	Credits - 3			Total Hours	
		Lecture 2	Tutorial -	Practicum 1	-	60
Pre-requisites, if any	Basic Literacy is needed. The students who are interested to improve their Language skills may join this course.					

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No
	Upon completion of the course, the student will be able to:-		
1	Recall the features of Hindi Language	K	1,3
2	Identify new words in Hindi	K,U	1,3,4
3	Choose, use and write new Hindi words	U,A	3,4,6
4	Create sentences and develop paragraphs.	C	4,6,8,
5	Acquire Language skills	U,S	6,8,10

**Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)*

COURSE CONTENT

Content for Classroom transaction (Units)

THE MAHATMA GANDHI UNIVERSITY
UNDERGRADUATE PROGRAMMES
(HONOURS) SYLLABUS
MGU-UGP (Honours)

(2024 Admission Onwards)



Faculty: Social Sciences

BoS: History

Programme: Bachelor of Arts
(Honours) History

Mahatma Gandhi University
Priyadarshini Hills
Kottayam – 686560, Kerala, India



Mahatma Gandhi University Kottayam

Programme	BA (Hons) History					
Course Name	Introducing History					
Type of Course	DSC A					
Course Code	MG1DSCHIS100					
Course Level	100-199					
Course Summary	Designed to introduce history, the course through its four modules target building up a student line up with cognitive capacity to understand, analyse and narrate histories in varied forms and style. It opens a window into different courses that come up in future. Further, the course is conceived to generate interest, passion and commitment in scientific history through eliciting different worlds of historians in their global, national and local contexts. Finally, it introduces the use and application of digital technologies for the creation of history content in textual and audio-visual forms in the 21 st century.					
Semester	1	Credits			4	Total Hours
Course Details	Learning Approach	Lecture	Tutorial	Practicum	Others	
		3		1		75
Pre-requisites, if any						

Syllabus

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No
1	Develop a profound passion for historical studies, characterized by a heightened appreciation for the discipline of history	C, U, I	3, 6, 10
2	Draw inspiration from globally renowned historians, enriching their own scholarly pursuits and fostering a broader understanding of the global context within the field of history	A, E	1, 8

3	Demonstrate a heightened capacity for historical thinking and imagination and acquire the capacity to skilfully engage with both primary and secondary sources in the field of history	A, U	1, 2, 10
4	Develop digital literacy for scientific historical knowledge production in the 21 st century and inculcate the ability to employ interdisciplinary perspectives in historical research, with a specific emphasis on recognizing and exploring intersections between history and technology	C, A, S	4, 6
5	Develop the skills to identify, articulate, and critically examine research problems rooted in the complexities of everyday life.	C, An	1, 2, 3, 6, 7
*Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)			

COURSE CONTENT

Content for Classroom transaction (Units)

Module	Units	Course description	Hrs	CO No.
	Essentials			
1	1.1	What is History? Definitions of History (Carlyle, Carr, Bloch)	3	1
	1.2	The Past, Present and Future of History- Philosophy of History	3	1
	1.3	Themes of History – Truth in History: Question of Objectivity	3	1
	1.4	History and other Disciplines	2	1
	1.5	Relevance and Utility of History	2	1, 5
	The Matter of Mind			
2	2.1	Development of Social Scientific Thinking	3	1, 3



Mahatma Gandhi University
Kottayam

Programme						
Course Name	Flavours of the Past and Present: Food, Culture and Society					
Type of Course	MDC					
Course Code	MG1MDCHIS100					
Course Level	100-199					
Course Summary	The course intends to provide a comprehensive understanding of the significance of food in shaping human history, culture, and modern food systems in India. The course will provide them with the necessary tools and perspectives to assess food culture critically and make well-informed and sustainable decisions related to food consumption in the past and contemporary times.					
Semester	1	Credits			3	Total Hours
Course Details	Learning Approach	Lecture	Tutorial	Practicum	Others	
		2		1		60
Pre-requisites, if any						

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No
1	To develop a historical perspective on food cultures and trends	U, S, I	1, 3
2	To examine the impact of colonization and globalization on food practices and systems	A	1, 3, 6
3	To analyse the role of food in cultural identity and religious practices	An, Ap	1, 3, 6, 7

4	To examine the development of various syncretic food culture	An, S	5, 6, 7, 8
5	To interpret the role played by food in relation with power, capital, gender and technology	An, Ap	2, 4, 7, 8, 10
*Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)			

COURSE CONTENT

Content for Classroom transactions (Units)

Module	Units	Course description	Hrs	CO No.
	Historical Antecedents			
1	1.1	Early Food Choices of Humans	2	1
	1.2	Representation of Food in Early Indian Literature and Material Remains	4	1
	1.3	Syncretic Evolution of Dietary Traditions in Pre-Colonial India	4	3, 4
	1.4	European and Colonial Culinary Influences on Indian Diet and Culture: Beverages and Appetites (Practicum: Identify the European culinary influence on the diet and kitchen of Kerala and prepare and submit a report on it)	10	5
	From Regional to Global Food Patterns			
2	2.1	Food History of Kerala: What did Kerala eat in the previous centuries: Caste, Community and Geography in diet choice	5	1, 4
	2.2	Food and the Emergence of Public Sphere: Coffee Houses, Clubs and Parlours	3	5
	2.3	Emergence of Sugar and Chocolate Complex of Taste	2	2, 5
	2.4	Food in the age of Globalization: Advertisement, Technology, Visual Culture and Gig Economy of Food Delivery	10	2



Mahatma Gandhi University
Kottayam

Programme					
Course Name	SCIENCE AND SOCIETY				
Type of Course	MDC				
Course Code	MG1MDCHIS101				
Course Level	100-199				
Course Summary	The course is designed to foster in students a respect for science as well as a scientific temperament and perspective. In a broad sense the course covers the emergence and institutionalization of science, its various sources of origins and ethical aspects. Here science is presented as a cognitive field of study having connections to all facets of society and the human experience. The course uses to critically situate science's knowledge foundations in relation to the complexities of social life, while acknowledging the essential role that science has played in the gradual advancement of human history.				
Semester	1	Credits			3
Course Details	Learning Approach	Lecture	Tutorial	Practicum	Total Hours
		2		1	
Pre-requisites, if any					

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No
1	Understand the epistemological, methodological and institutional developments in modern science	U	1, 2
2	Analyse the non-European roots of scientific traditions	An	1, 2, 6, 7

3	Assess the way in which the science looked at the social structures and institutions in Western world and colonies	E	1, 3, 6, 7, 8
4	Generate scientific temper among students to counter unscientific and mythicised interpretations of past	I	1, 4, 5, 9, 10
*Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)			

COURSE CONTENT

Content for Classroom transaction (Units)

Module	Units	Course description	Hrs	CO No.
	Emergence of Science as Knowledge			
	1.1	Philosophy and Epistemology of Science	2	1
	1.2	Science as Method: Descartes and Francis Bacon	2	1
	1.3	Scientific Revolution in Europe: Astronomy, Natural History and Plant Biology, and Natural Science Practicum: i. Read Rene Descartes <i>First Meditation: On What can be called into Doubt</i> ii. Read Chapter IV, <i>Natural Selection: or the Survival of the Fittest</i> in Charles Darwin's <i>The Origin of Species</i> and submit a Reflection Paper on the influence of Social Darwinism in contemporary society	12	1, 3
	1.4	Newtonian Synthesis	2	1
	1.5	Institutionalization of Science	3	1
2	Science as Social Construct			
	2.1	Science and Social Structure	2	3

**THE MAHATMA GANDHI UNIVERSITY
UNDERGRADUATE PROGRAMMES
(HONOURS) SYLLABUS
MGU-UGP (HONOURS)**

(2024 Admission Onwards)



Faculty: Language and Literature

Board of Studies: Malayalam

**Programme: Bachelor of Arts (Honours)
Malayalam**

**Mahatma Gandhi University
Priyadarshini Hills
Kottayam – 686560, Kerala, India**




Mahatma Gandhi University
Kottayam

Programme	BA (Honours) Malayalam				
Course Name	കഥാനുരൂപണം				
Type of Course	DSC A				
Course Code	MG1DSCMAL100				
Course Level	100				
Course Summary	ഓർമ, ഗ്രഹണം, പ്രയോഗം എന്നീ തലങ്ങളിലൂടെ കഥ എന്ന സാഹിത്യരൂപത്തെ പരിചയപ്പെടുത്തുകയും കഥയുടെ വിവിധ ആവിഷ്കാരരൂപങ്ങളായ സിനിമ, നാടകം, ഡോക്യുമെന്ററി, കഥാപ്രസംഗം എന്നിവയിലൂടെ കലാസാഹിത്യസ്വാദനശേഷി നേടാൻ പ്രാപ്തി കൈവരിക്കുകയാണ് പഠനലക്ഷ്യം.				
Semester	I	Credits		4	Total Hours
Course Details	Learning Approach	Lecture	Tutorial	Practical	
		3		1	
Pre-requisites, if any	കുട്ടികൾ സ്കൂൾതലത്തിൽ കഥകൾ പഠിക്കുകയും വായിക്കുകയും ചെയ്തിട്ടുണ്ട്.				

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No
1	കഥ, കഥാപ്രസംഗം എന്നീ സാഹിത്യമാധ്യമങ്ങളുടെ അടിസ്ഥാന സ്വഭാവസവിശേഷതൾ മനസ്സിലാക്കുന്നു.	U	1, 4
2	കഥ ഡോക്യുമെന്ററിലേക്ക് അനുരൂപണം ചെയ്യുമ്പോഴുണ്ടാകുന്ന മാറ്റം മനസ്സിലാക്കുന്നു.	U	1, 4
3	കഥ നാടകമായി മാറ്റുമ്പോൾ സംഭവിക്കുന്ന മാറ്റങ്ങൾ താരതമ്യം ചെയ്യാനുള്ള ശേഷി നേടുന്നു.	K	1, 4, 10
4	കഥയും സിനിമയും തമ്മിലുള്ള ബന്ധവ്യത്യാസങ്ങൾ തന്നിട്ടുള്ള മാതൃകകളെ മുൻനിർത്തി താരതമ്യാത്മകമായി മനസ്സിലാക്കുന്നു.	U	1, 4, 10

***Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)**


	Mahatma Gandhi University Kottayam
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Programme													
Course Name	മാധ്യമപഠനം												
Type of Course	MDC												
Course Code	MG1MDCMAL100												
Course Level	100												
Course Summary	ആശയവിനിമയരംഗത്തും വൈജ്ഞാനികരംഗത്തും മാനവപുരോഗതിയുടെ മറ്റുമേഖലകളിലും വിപ്ലവകരമായ മുന്നേറ്റം സൃഷ്ടിക്കുന്നതിൽ മാധ്യമങ്ങളുടെ പങ്ക് തിരിച്ചറിയുന്നു.												
Semester	I Credits 3 Total Hours												
Course Details	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Learning Approach</td> <td>Lecture</td> <td>Tutorial</td> <td>Practical</td> <td>Others</td> <td>Total Hours</td> </tr> <tr> <td></td> <td style="text-align: center;">2</td> <td></td> <td style="text-align: center;">1</td> <td></td> <td style="text-align: center;">60</td> </tr> </table>	Learning Approach	Lecture	Tutorial	Practical	Others	Total Hours		2		1		60
Learning Approach	Lecture	Tutorial	Practical	Others	Total Hours								
	2		1		60								
Pre-requisites, if any													

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No
1	സമകാലികജീവിതത്തിൽ മാധ്യമങ്ങൾ അടയാളപ്പെടുത്തുന്ന സാംസ്കാരികമാറ്റങ്ങൾ തിരിച്ചറിയുന്നു	U	2
2	വർത്തമാനപത്രങ്ങളുടെയും അച്ചടിയന്ത്രങ്ങളുടെയും വ്യാപനത്തോടെ മലയാളിയുടെ സാഹിത്യസങ്കല്പങ്ങളിലും ഭാഷാവ്യവഹാരങ്ങളിലും സംഭവിച്ച മാറ്റങ്ങൾ വിശകലനം ചെയ്യുന്നു	A	6
3	നവമാധ്യമങ്ങളുടെ കടന്നുവരവോടെ ഭാഷയിലും വ്യവഹാരത്തിലും വന്ന മാറ്റങ്ങൾ വിലയിരുത്തുന്നു.	E	10
4	നവമാധ്യമങ്ങളിൽ പ്രായോഗിക അറിവു നേടുന്നു.	A	1

***Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)**


	Mahatma Gandhi University Kottayam
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Programme						
Course Name	സിനിമയും സാഹിത്യവും					
Type of Course	MDC					
Course Code	MG1MDCMAL101					
Course Level	100					
Course Summary	ജനപ്രിയ കലയായ സിനിമയും സാഹിത്യവും തമ്മിലുള്ള സൗന്ദര്യശാസ്ത്രപരമായ ബന്ധം വിശകലനം ചെയ്യുകയാണ് ഈ കോഴ്സിന്റെ ലക്ഷ്യം					
Semester	I	Credits			3	Total Hours
Course Details	Learning Approach	Lecture	Tutorial	Practical	Others	
		2		1		60
Pre-requisites, if any						

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No
1	സിനിമയെന്ന ജനപ്രിയ കലയെക്കുറിച്ച് മനസ്സിലാക്കുന്നു.	U	2
2	തിരക്കഥാസാഹിത്യത്തിന്റെ വിവിധ തലങ്ങൾ പരിചയപ്പെടുന്നു.	A	6
3	അനുരൂപണം എന്തെന്ന് ഗ്രഹിക്കുന്നു. മലയാളത്തിലെ അനുരൂപണസിനിമകളെക്കുറിച്ച് സാമാന്യധാരണ കൈവരിക്കുന്നു.	E	10
4	സിനിമാഗാനങ്ങളുടെ ചരിത്രവും സാഹിത്യഭംഗിയും തിരിച്ചറിയുന്നു.	A	1

***Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)**

	Mahatma Gandhi University Kottayam
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Programme						
Course Name	സർഗ്ഗസാഹിതി					
Type of Course	AEC – Humanities					
Course Code	MG1AECMAL101					
Course Level	100					
Course Summary	കവിത, കഥ, ആത്മകഥ / യാത്രാവിവരണം എന്നീ സാഹിത്യരൂപങ്ങളെ മുൻനിർത്തി മലയാളത്തിലെ സാഹിത്യകൃതികളും കേരളീയസമൂഹവും പരസ്പരം ബന്ധപ്പെട്ടിരിക്കുന്നത് എപ്രകാരമെന്ന് പരിശോധിക്കുന്നു.					
Semester	I	Credits			3	Total Hours
Course Details	Learning Approach	Lecture	Tutori al	Practica l	Others	
		3				45
Pre-requisites, if any						

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No
1	മലയാളകവിതയുടെ ചരിത്രം സാമാന്യമായി മനസ്സിലാക്കുന്നു.	K	6
2	കവിത, കഥ എന്നീ സാഹിത്യരൂപങ്ങൾക്ക് സമൂഹവുമായുള്ള ബന്ധം ഗ്രഹിക്കുന്നു.	U	6,7
3	ലിംഗപദവി, ദലിത്, പരിസ്ഥിതി കാഴ്ചപ്പാടുകൾ സാഹിത്യകൃതികളെ മുൻനിർത്തി മനസ്സിലാക്കുന്നു.	U	8
4	സാഹിത്യകൃതികൾ സാമൂഹിക- സാംസ്കാരികപരിസരം അടയാളപ്പെടുമ്പോൾ എപ്രകാരമെന്ന് മനസ്സിലാക്കുന്നു.	U	4, 5
<i>*Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)</i>			




Mahatma Gandhi University
Kottayam

Programme						
Course Name	സാഹിതീമാലിക					
Type of Course	AEC – Science					
Course Code	MG1AECMAL100					
Course Level	100					
Course Summary	മലയാളത്തിലെ കവിത - നോവൽ - ലേഖനമാതൃകകളെ മുൻനിർത്തി ശാസ്ത്രവിഷയങ്ങളെയും പാരിസ്ഥിതികപ്രമേയങ്ങളെയും മനസ്സിലാക്കുന്നു. ശാസ്ത്രത്തിന്റെ യുക്തിയും സൗന്ദര്യവും ഗ്രഹിക്കുകയും മലയാളഭാഷയിൽ എഴുതുവാനുള്ള ശേഷി നേടുകയും ചെയ്യുന്നു.					
Semester	1	Credits			3	Total Hours
Course Details	Learning Approach	Lecture	Tutorial	Practical	Others	
		3				45
Pre-requisites, if any						

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No
1	ശാസ്ത്രസാഹിത്യത്തെ സംബന്ധിച്ച ധാരണയും താല്പര്യവും ഉണ്ടാകുന്നു	K	1
2	കവിതയെ മുൻനിർത്തി പാരിസ്ഥിതികകാഴ്ചപ്പാടുകൾ രൂപപ്പെടുത്തുന്നു.	U	6
3	ശാസ്ത്രത്തിലെ അടിസ്ഥാനധാരണകൾ മലയാളത്തിൽ എഴുതുന്നതിനുള്ള ഭാഷയുടെ ശേഷി തിരിച്ചറിയുന്നു	U	4
4	ശാസ്ത്രപശ്ചാത്തലമുള്ള നോവലുകൾ ആസ്വദിക്കുവാനുള്ള ശേഷി നേടുന്നു	U	10

**Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)*

	Mahatma Gandhi University Kottayam
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Programme						
Course Name	ഭാഷാസാഹിതി					
Type of Course	AEC – Commerce					
Course Code	MG1AECMAL102					
Course Level	100					
Course Summary	മലയാളത്തിലെ കഥ, കവിത, യാത്രാവിവരണമാതൃകകളെ മുൻനിർത്തി സാഹിത്യകൃതികളുടെ ആസ്വാദനം ശീലിക്കുന്നു.					
Semester	1	Credits			3	Total Hours
Course Details	Learning Approach	Lecture	Tutorial	Practical	Others	
		3				45
Pre-requisites, if any						

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No
1	മലയാളത്തിലെ കവിതകൾ, കഥകൾ എന്നിവ സാമാന്യമായി പരിചയപ്പെടുന്നു.	K	4
2	മലയാളകവിതയുടെയും കഥയുടെയും സാമൂഹികചരിത്രം മനസ്സിലാക്കുന്നു.	U	6
3	കവിതകൾ, കഥകൾ, യാത്രാവിവരണങ്ങൾ എന്നിവ സമൂഹവുമായി എപ്രകാരം ബന്ധപ്പെട്ടിരിക്കുന്നുവെന്ന് പഠനമാതൃകകളെ മുൻനിർത്തി ഗ്രഹിക്കുന്നു.	U	1
4	കവിത, കഥ, യാത്രാവിവരണം എന്നീ സാഹിത്യരൂപങ്ങളെ മുൻനിർത്തി ആസ്വാദനക്കുറിപ്പുകൾ എഴുതുന്നു.	U	4

***Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)**

THE MAHATMA GANDHI UNIVERSITY
UNDERGRADUATE PROGRAMMES
(HONOURS) SYLLABUS

MGU-UGP (Honours)

(2024 Admission Onwards)



Faculty : Science
BoS : Mathematics
Programme : Bachelor of Science (Honours)
Mathematics

Mahatma Gandhi University
Priyadarsini Hills, Kottayam – 686560
Kerala, India



Mahatma Gandhi University

Kottayam

Programme	BSc (Hons) Mathematics					
Course Name	Ground Roots of Mathematics					
Type of Course	DSC A					
Course Code	MG1DSCMAT100					
Course Level	100-199					
Course Summary	<p>This course provides a solid foundation in both mathematical logic and the principles of calculus. Beginning with "Basic Logic", students explore propositional logic, propositional equivalence, predicates, and quantifiers. The course then transitions to "Functions", covering the basics of functions and their graphs, combining functions through shifting and scaling, and introducing inverse functions.</p> <p>The core of the course is dedicated to "Derivatives", where students are introduced to techniques of differentiation without formal proof, higher derivatives, product and quotient rules, derivatives of trigonometric functions using formulas, the chain rule, and implicit differentiation. The focus is on practical applications, preparing students for real-world problem-solving.</p> <p>The course concludes with an exploration of the "Applications of Derivatives", emphasizing the analysis of functions. Topics include determining intervals of increase, decrease, and concavity, identifying relative extrema with geometric implications of multiplicity, applying L'Hôpital's Rule, and addressing indeterminate forms.</p>					
Semester	1	Credits			4	
Course Details	Learning Approach	Lecture	Tutorial	Practicum	Others	Total Hours
		3	0	1	0	75

Pre- requisites, If any	Sets, Set operations and Limits
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COURSE OUTCOMES (CO)

CO No:	Expected Course Outcome	Learning Domains	PO No:
	Upon the successful completion of the course, the student will be able to		
1	Understand the language of Mathematics and communicate in a proper way.	U	1, 2, 3, 4, 10
2	Understand the geometry of basic functions and their properties.	U	1, 2, 3, 10
3	Analyse the conditions for a function to have an inverse.	An	1, 2, 3
4	Understand and apply the process of differentiation.	A	1, 2, 3, 10
5	Characterize increasing/decreasing functions using their derivatives.	U	1, 2, 3, 10
6	Apply L'Hôpital's rule to evaluate indeterminate forms.	A	1, 2
7	Experience graphing tools in doing and enjoying Mathematics	S	1, 2, 3, 4, 9,10
<i>*Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)</i>			

COURSE CONTENT

Content for Classroom transaction (Units)

Module	Units	Course Description	CO No:	Hours
1	Basic Logic			15
	1.1	Propositional Logic	1	
	1.2	Propositional Equivalence	1	
	1.3	Predicates and Quantifiers	1	
		Problems (Practicum)	1	



Mahatma Gandhi University

Kottayam

Programme						
Course Name	Mathematics for Competitive Examinations					
Type of Course	MDC					
Course Code	MG1MDCMAT100					
Course Level	100-199					
Course Summary	This competitive exam-focused mathematics course covers crucial topics like number systems, logical reasoning, data analysis, and mathematical measurements. This course explores concepts such as HCF, LCM, fractions, ratio, percentage, and time-related problem-solving, providing comprehensive preparation for various competitive examinations.					
Semester	1	Credits (HONOURS)			3	
Course Details	Learning Approach	Lecture	Tutorial	Practicum	Others	Total Hours
		2	0	1	0	60
Pre-requisites, If any						

COURSE OUTCOMES (CO)

CO No:	Expected Course Outcome	Learning Domains	PO No:
	Upon the successful completion of the course, the student will be able to		
1	Develop a solid understanding of various types of	K, U, E	1, 2, 10

	numbers. Master techniques for calculating HCF and LCM and gain proficiency in simplifications, squares and square roots.		
2	Acquire logical reasoning skills by exploring concepts such as ratio, proportion, percentage, and solving problems related to profit, loss and age and apply these principles to real world scenarios.	K, U, E	1, 2, 3, 4, 10
3	Learn the essentials of data analysis, including concepts of simple interest, compound interest and solving calendar problems. Develop analytical skills to interpret and utilize data effectively.	K, U, A	1, 2, 3, 10
4	Gain expertise in mathematical measurements through topics like time and work, time and distance, and stocks and shares. Apply mathematical concepts to solve practical problems in these areas.	K, A, E	1, 2, 3, 10
*Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)			

COURSE CONTENT

Content for Classroom transaction (Units)

Module	Units	Course Description	CO No:	Hours
1		Number System and Numerical Techniques		18
	1.1	Type of Numbers	1	
	1.2	HCF and LCM of Numbers	1	
	1.3	Decimal Fractions, Simplification	1	
	1.4	Square Roots and Cube Roots	1	
		Problems (Practicum)	1	
Text 1: Relevant Portions				

**THE MAHATMA GANDHI UNIVERSITY
UNDERGRADUATE PROGRAMMES
(HONOURS) SYLLABUS**

MGU-UGP (Honours)

(2024 Admission Onwards)



Faculty: Science

BoS: Physics

**Programme: Bachelor of Science
(Honours) Physics**

**Mahatma Gandhi University
Priyadarshini Hills
Kottayam - 686560, Kerala, India**



Mahatma Gandhi University Kottayam

Programme	BSc (Hons) Physics					
Course Name	Foundations of Physics					
Type of Course	DSC A					
Course Code	MG1DSCPHY100					
Course Level	100					
Course Summary	This course aims to provide a strong foundation of Physics and equip the students to be familiar with the methodology of Physics. It also throws light to basic laws of mechanics and its application. This course also provides a hands on experience in programming using Python.					
Semester	1	Credits			4	Total Hours
Course Details	Learning Approach	Lecture	Tutorial	Practical	Others	
		3	0	1	0	75
Pre-requisites if any	Nil					

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No
1	To apply vector algebra to physical problems.	U, A	1, 2
2	To apply the concepts of distance, time, mass, and accelerated motion.	A	1, 2
3	To illustrate the basic ideas of Newtonian Mechanics	U, A, An	1, 2
3	To apply the concepts of work, energy and power in practical problem solving	U, An	1, 2
4	To familiarise the concept of programming using Python	U, A, S	1, 2
5	To acquire the basic knowledge of error analysis and to get hands	U, A, An, S	1, 2

	on expertise in using basic components and equipment in Physics lab		
*Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)			

COURSE CONTENT

Content for Classroom Transaction (Units)

Module	Units	Course description	Hrs	CO No.
1	How Physics Describe Things		14	
	1.1	The Nature of Physics, Solving Physics Problems, Standards and Units, Consistency and Conversions, Uncertainty and Significant Figures, Estimates and Orders of Magnitude	2	1
	1.2	Vectors and Vector Addition, Components of Vectors, Unit Vectors, Products of Vectors	2	2
	1.3	Displacement, Time, Average and Instantaneous Velocity, Average and Instantaneous Acceleration	2	3
	1.4	Motion with constant acceleration, Freely Falling Bodies, Velocity and Position by Integration	3	3
	1.5	Position and velocity vectors, The acceleration vector	2	3
	1.6	Projectile motion, Motion in a Circle, Relative Velocity	3	3
2	2.1 Newton's Laws of Motion and its Applications		13	
	2.1.1	Force and Interactions, Newton's First Law, Newton's Second Law	2	3
	2.1.2	Mass and Weight, Newton's Third Law, Free-Body Diagrams	2	3
	2.1.3	Newton's Laws- Applications	7	3



Mahatma Gandhi University Kottayam

Programme						
Course Name	Physics Around You					
Type of Course	MDC					
Course Code	MG1MDCPHY100					
Course Level	100					
Course Summary	This course, "Physics Around You," provides an engaging exploration of fundamental physics principles manifested in everyday life, trying to connect theoretical concepts and the real-world phenomena that shape our daily experiences. From mastering concepts like units, dimensions, and motion laws to developing expertise in optical phenomena, including reflection and refraction, learners will gain a solid foundation in physics					
Semester	1	Credits			3	Total Hours
Course Details	Learning Approach	Lecture	Tutorial	Practical	Others	
		2	0	1	0	60
Pre-requisites, if any	Nil					

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains	PO No
1	Students will be able to understand the concepts of elementary mechanics	U	1, 2
2	Students will be able to explain the fundamentals of Electricity	U	1, 2
3	Students will be able to apply optical phenomena in analysing real life situations	A, An	1, 2
4	Students will be able to understand the basic principle, properties and its applications	U	1, 2
5	Students will be able to acquire hands on expertise in the basic electrical and electronic equipment and to demonstrate the basic light phenomena	A, An, S	1, 2

***Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)**

THE MAHATMA GANDHI UNIVERSITY
UNDER GRADUATE PROGRAMMES
(HONOURS) SYLLABUS
MGU-UGP (Honours)
(2024 Admission Onwards)



Faculty: Science

BoS: Zoology

Bachelor of Science (Honours) Zoology

Mahatma Gandhi University
Priyadarshini Hills
Kottayam – 686560, Kerala, India



**Mahatma Gandhi University
Kottayam**

Programme	BSc (Honours) ZOOLOGY					
Course Name	INTRODUCTION TO ZOOLOGY					
Type of Course	DSC A					
Course Code	MG1DSCZGY100					
Course Level	100					
Course Summary	The course includes several marvelous facts about the animal world which can foster sense of interest, connection, empathy and caring towards the animals. They feel responsible and enthusiastic to learn more about the animal world.					
Semester	I	Credits			4	Total Hours
Course Details	Learning Approach	Lecture	Tutorial	Practical	Others	
		3	---	1	---	75
Pre-requisites, if any						

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains*	PO No
1	Identify the wonders of the animal world and the facts behind the phenomena.	U	2,3
2	Explain Coloration, Mimicry & Parental care.	U	2,3
3	Discover the research avenues & career opportunities in Zoology	U	2,3
4	Predict the Entrepreneurial Possibilities in the field of Zoology	E	1,2,3
5.	Prepare detailed report of field visits to environmentally important places, research institutions and career orientation centers	A	2,3

***Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Skill (S), Interest (I) and Appreciation (Ap)**



**Mahatma Gandhi University
Kottayam**

Programme	BSc (Honours) ZOOLOGY					
Course Name	BIOLOGICAL BASIS OF BEHAVIOUR-I					
Type of Course	DSC B (For those who are opting BEHAVIORAL BIOLOGY as Minor)					
Course Code	MG1DSCZGY101					
Course Level	100					
Course Summary	This course provides a comprehensive exploration of the foundational aspects connecting biology to the study of behaviour. Beginning with an overview of natural selection & the evolution of the human species, including the development of large brains, students delve into the ethical considerations surrounding research with human & nonhuman subjects. Encompasses a detailed study of the cells of the nervous system, its structure, membrane potential dynamics & the role of neurotransmitters in impulse transmission. Provides a nuanced understanding of the basic features of central and peripheral nervous system. The course incorporates activity-based studies on various neurological disorders- tumors, seizure disorders, cerebrovascular accidents & degenerative disorders like Parkinson's & Alzheimer's disease.					
Semester	I	Credits			4	Total
Course Details	Learning Approach	Lecture 3	Tutorial --	Practical 1	Others --	Hours 75
Pre-requisites, if any	MGU - UGP					

Syllabus Index

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No
1	Understand the biological roots of behaviour, gaining insights into the intricate relationship between the nervous system and behavior	U	1
2	Create a responsible and informed approach to the ethical challenges inherent in studying the physiological aspects of behaviour.	C	6, 8
3	analyze and explain the intricate components of the nervous system.	U, An	2

4	Appraise the complexity and specialization within the brain, laying the foundation for advanced studies in neurological basis of behaviour.	Ap	10
5	Develop a mastery of knowledge by accurately identifying and describing the characteristics, causes, and symptoms of diverse neurological conditions	C	7
6	Evaluate the significance of this knowledge in the context of research, diagnosis, and potential therapeutic interventions for neurological condition	E	7, 9
<i>*Remember(K), Understand(U), Apply(A), Analyze(An), Evaluate(E), Create (C), Skill(S), Interest (I) and Appreciation(Ap)</i>			

COURSE CONTENT

Content for Classroom transaction (Units)

Module	Units	Course description	Hrs	CO No.
1		Biological Underpinnings of Behaviour	6	
	1.1	Biological roots of Behaviour-an introduction	1	1
	1.2	Natural selection and evolution: Evolution of human species, evolution of large brains.	2	
	1.3	Human and nonhuman subjects in in physiological psychology. Ethical issues in research with animals. Careers in neuroscience	3	
2		Foundations of Neural Communication	19	
	2.1	Cells of the Nervous System-Neurons, Structure of neuron, External, internal and supporting structures, types of neurons.	8	2
	2.2	Maintenance of Membrane potential, resting potential, depolarization, hyper polarization, action potential	7	
	2.3	Neurotransmitters- Role of neurotransmitters in transmission of impulses. Excitatory and inhibitory post synaptic potentials	4	
3		Anatomy and Functionality of the Nervous System: From Central to Peripheral Structures	20	
	3.1	Basic feature of the Nervous System. Central Nervous system, Forebrain, Midbrain and hindbrain, Hypothalamus, Cortex, Spinal cord.	9	3,4
	3.2	The Peripheral Nervous System: Spinal nerves, cranial nerves, the autonomic nervous system.	5	
	3.3	Structure of neocortex, capabilities of the right & left hemispheres.	6	



**Mahatma Gandhi University
Kottayam**

Programme						
Course Name	ORNAMENTAL FISH FARMING AND AQUARIUM KEEPING					
Type of course	MDC					
Course Code	MG1MDCZGY100					
Course Level	100					
Course Summary	The course 'Ornamental fish breeding, culture and aquarium keeping' provides a comprehensive understanding of the varieties of ornamental fishes, management aspects of ornamental fish farming, fish transportation, breeding and rearing of ornamental fishes and construction and maintenance of aquarium.					
Semester	I	Credits			3	Total Hours
Course Details	Learning Approach	Lecture	Tutorial	Practical	Others	
		2	--	1	--	60
Pre-requisites, if any						

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome	Learning Domains *	PO No
1	Identify various commercially important freshwater ornamental fishes, aquarium accessories, aquarium fish diseases.	U, An, A	1
2	Understand and apply fish transportation techniques while transporting brooders and fish seeds.	U, A	1
3	Employ skills for breeding and rearing of egg-layers and live-bearers and aquarium setting.	A, S	1
4	Apply the knowledge in aquascaping, water quality management and feed administration.	A	10
*Remember(K), Understand(U), Apply(A), Analyze(An), Evaluate(E), Create (C), Skill(S), Interest (I) and Appreciation (Ap)			