PROGRAMME OUTCOMES



COURSE OUTCOMES

CBCS & NEP

Programme outcomes

Bachelor of Science (B.Sc.)

Students going for B.Sc. programme are expected to be equipped with the following outcomes

- To develop scientific temper and use of scientific knowledge in solving the problems of mankind
- To explain the natural phenomena by apply the basic principles of science
- Assimilate knowledge and ideas based on wide reading through internet
- Ability to communicate with others using modern methods of communication
- Ability to handle the unexpected situation by critically analysing the problem.
- Understanding the various issues related to science and environment and use of basic sciences in sustainable development
- To apply the basic scientific knowledge in day-to-day life

Bachelor of Arts (B.A)

- Students enrolled in this programme are equipped with a curriculum that exposes and trains them in a full range of essential skills and abilities. The course aims to accomplish following goals
- Development of critical thinking
- Promote active citizenship and community engagement
- Inculcating ethical reasoning
- Evaluate and conduct research
- Engage in self-directed and lifelong learning
- Proficiency in communication skills

<u>GOVERNMENT DEGREE COLLEGE UTTERSOO</u> <u>UTTERSOO—SHANGAS ANANTNAG</u>

BOTANY

Learning outcomes:

- Critical evaluation of ideas and arguments by collection relevant information about the plants, so as recognize the position of plant in the broad classification and phylogenetic level.
- Identify problems and independently propose solutions using creative approaches, acquired through interdisciplinary experiences, and a depth and breadth of knowledge/expertise in the field of Plant Identification.
- Accurately interpretation of collected information and use taxonomical information to evaluate and formulate a position of plant in taxonomy.
- Students will be able to apply the scientific method to questions in botany by formulating testable hypotheses, collecting data that address these hypotheses, and analysing those data to assess the degree to which their scientific work supports their hypotheses.
- Students will be able to present scientific hypotheses and data both orally and in writing in the formats that are used by practicing scientists.
- Students will be able to access the primary literature, identify relevant works for a particular topic, and evaluate the scientific content of these works.
- Students will be able to apply fundamental mathematical tools (statistics, calculus) and physical principles (physics, chemistry) to the analysis of relevant biological situations.
- Students will be able to identify the major groups of organisms with an emphasis on plants and be able to classify them within a phylogenetic framework. Students will be able to compare and contrast the characteristics of plants, algae, and fungi that differentiate them from each other and from other forms of life.
- Students will be able to use the evidence of comparative biology to

explain how the theory of evolution offers the only scientific explanation for the unity and diversity of life on earth. They will be able to use specific examples to explicate how descent with modification has shaped plant morphology, physiology, and life history.

Students will be able to explain how Plants function at the level of the gene, genome, cell, tissue, Flower development. Drawing upon this knowledge, they will be able to give specific examples of the physiological adaptations, development, reproduction and mode of life cycle followed by different forms of plants.

Students will be able to explain the ecological interconnectedness of life on earth by tracing energy and nutrient flow through the environment. They will be able to relate the physical features of the environment to the structure of populations, communities, and ecosystems.

Course Outcomes:

Program: B.Sc. with Botany as a subject

Semester	Course Outcomes
Semester I: Biodiversity	 Understand the diversity among Algae. Know the systematic, morphology and structure, of Algae. Understand the life cycle pattern of Algae. Understand the useful and harmful activities of Algae. Understand the Biodiversity of Fungi Know the Economic Importance of Fungi Understand the morphological diversity of Bryophytes. Understand the economic importance of the Bryophytes. Understand the morphological diversity of Bryophytes and Pteridophytes and Gymnosperms. Understand the economic importance of the Bryophytes and Pteridophytes and Gymnosperms. Know the evolution of Bryophytes and Pteridophytes and Pteridophytes and Gymnosperms.
Semester II: Plant Ecology and Taxonomy	 Know the vegetative characteristics of the plant. Learn about the reproductive characteristics of the plant. Understand the plant morphology and basic taxonomy. Understand phytogeography Understand the main principles of nomenclature and identification of plants

Semester III: Plant Anatomy and Embryology

1. Gain knowledge about different

2. Understand the anatomy of

kinds of plant tissues

	plant organs	
	 Have a clear understanding about t secondary growth in vascular plants Learn about structural organisation of a flower, pollination and fertilisation Learn about embryo and endosper development, apomixes and emryogeny 	a
Semester IV: Plant physiology and metabolism	 Know importance and scope of plant physiology. 2 Understand the plants and plant cells in relation to water. Understand the process of photosynthesis in higher plants with particular emphasis on light and dark reactions, C3 and C4 pathways. Understand the respiration in higher plants we particular emphasis on aerobic and anaerol respiration. Learn about the movement of sap and absorption of water in plant body Understand the plant movements. 	in nd rith

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UTTERSOO—SHANGAS ANANTNAG On completion of the course, students are able to: 1. Gain knowledge about "Cell Science". 2. Understand Cell wall Plasma membrane, Cell organelles and cell division. 3. Learn the scope and importance of molecular biology. 5. Understand the biochemical nature of nucleic acids, their role in living systems, experimental evidences to prove DNA as a genetic material 6. Know about the genomic organization or living organisms, study of genes genome, chromosome Semester V: DSE: Cell and Molecular Biology etc. 7. Gain knowledge about the mechanism and essential component required for prokaryotic DNA replication. 8. Understand the fundamentals of Recombinant DNA Technology. 9. Know about the Genetic Engineering. 10. Understand the principle and basic protocols for Plant Tissue Culture. 11. The concept of operon and its structure and regulation.

- 1. Understand the science of plant breeding.
- 2. To introduce the student with branch of plant breeding for the survival of human being from starvation.
- 3. To study the techniques of production of new superior crop verities.
- 4. Understand the modern strategies applied in Genetics and Plant Breeding to sequence and analyze genomes
- 5. Get the detail knowledge about modern strategies applied in Plant Breeding for crop improvement i.e. Mass selection, Pureline Selection and Clonal selection.
- 6. Know about exploitation of Heterosis, hybrid and variety development and their release through artificial hybridization.
- 7. Understand the role plants in human welfare.
- 8. Gain knowledge about various plants of economic use.

Semester VI: DSE: Genetics and plant breeding

CHEMISTRY

Learning outcomes:

- Chemical bonding & Atomic structure: Nature of bonding in different substances and shapes of atoms/molecules based on Quantum Mechanical data interpretation. Periodicity in chemical characteristics of elements. Coordination complexes
- > Stereochemistry, bonding, structure and properties, Bio-inorganic chemistry and role of essential elements in life.
- ➤ Aromaticity and methods of determination of reaction mechanism: Requirements and significance of Huckel's Rule, isotope labelling and identification of products. Organic compounds: Stereochemistry, structure, synthesis, and properties of various homologues like alkenes dienes, alkynes, alkyl & aryl halides, nitrogen bearing cyclic and acyclic compounds, etc. Biomolecules: Carbohydrates, nucleic acids, amino acids, etc. Structure elucidation: UV-Visible, IR and NMR.
- ➤ Thermodynamics: Laws and their applications. Equilibrium and solution thermodynamics: Clapeyron and Clausius-Clapeyron equation applications. Electrochemistry and electrochemical cells: Kohlrausch law, Arrhenius theory. Debye-Huckel- Onsager's equation. Electrochemical cells and measurement of EMF. Quantum chemistry and Spectroscopy: limitations of classical mechanics, introduction to operator, Schrodinger wave equation and its importance, rotational and vibrational spectroscopy. Chemical kinetics & Photochemistry: Theories of chemical kinetics, catalysis, laws of photochemistry and kinetics of photochemical reactions.
- ➤ To make students acquainted with different techniques of separation and identification of ions (micro scale inorganic analysis), elements(chromatography) organic compounds (functional group analysis), synthesis of some important inorganic and organic compounds and different physico-chemical techniques like determination of reaction rates through kinetic studies, conductometry, pH metry, refractometry, surface tension & viscosity measurements.

Course outcomes:

Program: B.Sc. with Chemistry as a subject

Course Name: Chemistry Course Code: CH120C

Semester	Unit	Course outcome
	Chemical	1. To Understand the nature andstrength
	Bonding and	of forces between chemical constituents
1	Molecular	2. Understanding the applications of
	Structure	different theories of chemical bonding

s Block Elements	To learn the chemical reactivity of S-Block elements To understand the trends in physical properties of S-Block elements.
General organic chemistry:	To learn different types of Isomerism in Organic Compounds. To learn concept of aromaticity and different types of reactionintermediates
States of Matter	1. To understand the structural and behavioural aspects of matter in solid, liquid and gaseous states.

Course Name: Chemistry

Course Code: CH220C

Semester	Unit	Course outcome
	P Block elements	To understand the structure, bonding, synthesis,
		properties and uses of various compounds of p block
		elements.
	Chemistry	To acquire knowledge about the chemical properties
	of	of aliphatic hydrocarbons.
	saturated	
II	and	
	unsaturate	
	d	
	hydrocarbons	

Organic reaction	To gather knowledge of aliphatic substitution,
mechanism	aromatic
	substitution and elimination reaction mechanisms.
Chemical kinetics	Understanding the rates of second, third order
	reactions, the dependence of reaction rates on
	temperature and comparative account of
	photochemical and thermal
	reactions

Course Name: Chemistry
Course Code: CH316C

Semester	Unit	Course outcome
	P-Block	1.To understand the structure, bonding, synthesis,
	Elements	properties and use of the various compounds of P
		Block elements
	Transition and	1.To decode the trends in the chemical and physical
	Inner Transition	properties of transition and inner transition elements along
	Elements	with their compounds.
	Equilibrium and	1.To study the different aspects of chemical and
III	solution	phase equilibrium.
	thermodynamics	2.To study the thermodynamics of various solution
		properties.
	Chemical Kinetics	1. To understand the rates of second and third order
	and	reactions and the dependence of reaction rate on
	Photochemistry	temperature.
		2. To comprehend the different theories
		regarding rates of chemical reactions.
		3.To understand the interaction of radiation with
		matter, lawsgoverning such interaction and
		thevarious physicochemical changes

associated with it.

Course Name: Chemistry

Course Code: CH416C

Semester	Unit	Course outcome
	Coordination and Bio	1.To comprehend the structure, bonding and
	Inorganic Chemistry	isomerism in square planner octahedral and
		tetrahedral coordination complexes.
		2.To study the metal coordination behaviour and
		role of different essential elements in life.
	Amines and Nitrogen	1.To understand the classification, properties and
	bearing heterocyclic	various methods of synthesis of amines along
	compounds	with the mechanism of reactions involved.
		2. To comparatively study the structural and
		chemical aspects of nitrogen bearing
IV		heterocyclic compounds.
	States of Matter	1.To understand the structural and behavioural
		aspects of matter in solid, liquid and gaseous states.

Spectroscopy	1. To understand the interaction of radiation with
	matter and the basic principles of various
	spectroscopic techniques.
	2. To learn about the use of various spectroscopic
	techniques in
	structural elucidation.

Course Name: Chemistry Course Code: CH516DA

Semester	Unit	Course outcome
	Green Chemistry Theory	1. To understand the basic need of green
		chemistry.
		2. To know about the tools and
		principals of Green chemistry
	Designing a Chemical	1.To understand how to design a green synthesis using
	Synthesis	the principals of green chemistry.
		2.To understand the concept of green
V (Green		solvents.
Chemistry)	Green Chemistry Practice	1.To understand various reactions assisted by
		microwave in water.
		2. To understand the reactions assisted by
		microwave in organic solvents.
	Trends in Green Chemistry	1.To understand the role of Green chemistry in
		sustainable development.
		2. Understanding of various reactions assisted by
		ultrasound.

Course Name: Chemistry
Course Code: CH616D

Semester	Unit	Course outcome
		1.To understand lattice vibration and optical
	Elementary Lattice	phonons.
	Dynamics	2.To understand specific heat od solids in light
		of various theories.
		1.To understand the magnetic properties of
	Magnetic Properties	different materials.
	of matter	2. Understanding of temperature
		dependence of magnetism
		1. Understanding of nanomaterials, their
VI		preparation and special properties.
	Nanomaterials	2.To understand the self-assemblies of
		surfactants and polymers and them
		applications.
		1. Understanding of superconductivity and
	Superconducting	characteristics of superconductors.
	materials	2. To understand the effect of temperature on
		superconductivity and applications of superconductors.

Political science

Learning outcomes:

In the BA Programme of Political Science, the Department has developed following learning goals. The primary intention is to let the teachers and students have a deep understanding on Political issues confronting society in day-to-day life and also the mechanism to provide the solution to the problems.

Politics is the study of how people make choices under conditions of scarcity and the results of those choices for overall political system. It is also the study of conflict resolution in the society.

Keeping the above summary in view, undergraduates of our program should have the following knowledge and skills:

Quantitative Reasoning Skills

- Understand how to use empirical evidence to evaluate the political argument.
- Interpret statistical results.
- Conduct appropriate statistical analysis of data, and explain the statistical problems involved.
- Obtain and/or collect relevant data using specific qualitative and/or quantitative research methods.

Specialized Knowledge and Application of Skills

• In specific content areas (fields) of political science, develop deeper critical and quantitative thinking skills and apply problem-solving skills to complex problems.

Communication Skills

- Communicate effectively in written and oral form about specific political issues.
- Formulate a well-organized written argument that states assumptions and hypotheses, which are supported by evidence.
- Present a political argument orally.

Lifelong Learning Skills

- Possess a working knowledge of information data bases.
- Know how to locate and use primary data sources
- Understand and evaluate current national and international political events and new political ideas.

Problem-solving skills

• Propose solutions for problems that do not have clear answers, and indicate under what conditions they may be viable solutions.

Critical Thinking Skills

- Apply political analysis to evaluate everyday problems
- Apply political analysis to evaluate specific policy proposals
- Compare two or more arguments that have different conclusions to different political issues/problem

Course outcomes:

Semester	Course outcomes
I Semester (political theory)	 Understand what political theory is Understand the different approaches to political science like traditional and modern. Understand the overall evolution and development of political theory. Understand the contribution of some of the main thinkers in political theory. Understand some of the important concepts like liberty, equality, rights, power, justice, etc. Understand the debates on Affirmative Action and Absolute equality mentioned in the course. Clear the air existing in the concepts like power, authority and legitimacy.
II Semester (Indian govt. and	Approaches like liberal, Marxist and Gandhian to study Indian politics.
Politics)	 Learn about the basic features and history of Indian constitution. Understanding of the identity issues in Indian politics. Relationship between fundamental rights and directive principles of Indian politics. Different structures of Indian politics and their powers.

III Semester (Comparative politics)	 Comparative politics- meaning, nature and scope besides approaches to study Comparative politics. Differences between authoritarian and democratic regimes Presidential and Parliamentary form of govt. with special reference to USA and Britain. Federal and unitary form of govt. with special reference to Canada and China. Different Party systems and different electoral systems. Debates on state ns individual security. Debate on the Nation state in the context of globalization.
IV Semester (Introduction to int. relations)	 Understanding theories like realism, liberalism and world systems. Insight into Wars like Ist world war, 2nd World war, and cold war, Understanding decline of USSR and its cause and effect on world politics. Power structure of China and Japan Power structure of European Union in the world politics.

V Semester (Western thought)	 Western thought its evolution and development. Ideas of Aristotle on Citizenship in the ancient times Rousseau's Ideas on inequality and how it originated. Ideas on state by Thomas Hobbes, Karl Marx and Mikhail Bakunin. Ideas of John Locke on rights. The ideas of John Stuart Mill on liberty and democracy
VI Semester (Public administration)	 Meaning and nature of public administration. Evolution and present status of the discipline of public administration Theories on public administration like scientific management, classical, human relations and decision making. Control on administration like legislative, executive and judicial. Theories on motivation. Ecological approach to study Public Administration.

HISTORY

Learning outcomes:

- Understand background of our religion, customs, institutions, administration etc
- Understand the present existing social, political, religious and economic conditions of the people
- To apply historical methods to critically evaluate past and how historians and others have predicted it.
- Students will be able to demonstrate broad knowledge of historical events and their significance.
- > Students will be able to recognise how different individuals, groups, organisations, cultures, countries and nations have affected history. History gave the students wisdom and foresight for the future
- Students will offer multi-casual explanations of major historical developments based on contextualized analysis of interrelated political, social, economic, cultural and intellectual processes
- The study of history will give them the ability to compare and contrast different processes, modes of thought and modes of expression from different historical time periods in different geographical areas
- ➤ Students will be able to produce their own historical analysis of documents and develop the ability to think critically and historically while discussing the past'
- To differentiate between the primary and secondary sources and identify and evaluate evidence.
- ➤ To play active roles in the activities of historical organisations and associations.
- > Students will be able to demonstrate broad knowledge of historical events and their significance

Course outcomes:

Semester	Course outcomes	
I semester	1. To know about Pre-history and Proto-history.	

Ancient India/ Ancient Kashmir (HS116)	 To understand the concept of civilization. To acquainted students with the different sources of ancient India. To know about the different phases of human civilization/life. To acquaint students with different civilizations of India: Harappan, and Vedic. To know about the early rulers of ancient India: Ashoka, Samudra Gupta and Harsha. To know about the social economic and political setup of ancient India. To study about the rich past of Kashmir. To understand Kashmir's relations with neighbouring territories. To study empire building and culture of ancient Kashmir.
II semester Medieval India/ medieval Kashmir (HS216)	 To acquainted students with various sources which help us to know the Sultanate period and Mughal Empire. To comprehend the foundation of Delhi Sultanate and Mughal empire. Be familiar with the administration and theory of kingship of Iltutmish and Balaban and Akbar. To learn different project of Mohammed bin-Tughlaq and Aurangzeb. To study about the religious policy of Mughals. To know about the indo-Islamic architecture. To know about the architectural features of Mughals. To understand the causes for the foundation of Muslim rule in Kashmir. To analyse economic prosperity under Zain-ul-Abidin. To study of stone and wooden architecture of Kashmir. To describe the position of Kashmir under foreign domination: Mughals, Afghans, Sikhs.

III semester Modern India/ Modern Kashmir (HS316)	 To understand emergence and consolidation of British rule in India. To know about the socio-religious and political consciousness of in India. To learn about the different policies of Britishers like Subsidiary Alliance and Doctrine of Lapse. To know about the rise of Indian Nationalism. To study the Indian National Movement: Birth of Indian National Congress, Moderates, Extremists and Gandhian phase. To annalyse the nature of different uprisings during the modern period. To know about the partition and independence of India. To study about the causes leading to the foundation of the Modern Jammu and Kashmir. To know about the political awakening in Kashmir. To learn about the Muslim conference and its conversion to National conference. 	

IV semester Themes in Indian economic and social History (HS416)	 To know about the economic setup of ancient medieval and modern India. To understand the aspects of Harappan economy. To learn about the Vedic and Gupta Economy. To know about the economic consequences of Turkish conquest. To learn about the agrarian structure under Delhi Sultanate and Mughals. To study about the agrarian and economic policies of Britishers. To know about the different religious faiths of India. To study reforms movement of 19th century like Brahmo Samaj and Arya Samaj and Aligarh movement. To understand the different issues in the development of modern education. To know about dalit movements
V semester History of India Since 1947 (HS516)	 To know about the colonialism, democracy, nationalism and secularism. To learn about the constitution and its salient features. To study about the linguistic Re-organization of Indian states. To learn about the emergence and development of different Political parties of India. To know about the radical land reforms in India and Kashmir. To know about the major political developments in Kashmir since 1947. To study about the formation of Nationalist Government in Kashmir. To understand the role of Sheikh Mohamad Abdullah and its dismissal
VI semester Themes in world Civilization (HS616)	After going through this the students will be able to know about 1. Emergence and significance of Renaissance.

- 2. Reformation and counter reformation and the role of Martin Luther
- 3. About the different revolutions like American Russian, French, and Industrial revolution.
- 4. Causes and consequences of Fascism and Nazism
- 5. UNO and its role.
- 6. First World War, Second World War and Cold War.

ISLAMIC STUDIES

Learning outcomes:

Islamic Studies as a Social Science subject strives to achieve the following objectives:

- > To provide students a comprehensive and accurate perspective about Islam and Muslims
- ➤ to provide students a sound knowledge of Islam (as a religion, civilization, culture, and ideology) and Islamic literature
- ➤ To acquaint students with the social, political, intellectual, scientific, and cultural dimensions of Islam in a bid to revive its relevance in present times
- To prepare students religiously, spiritually, and morally
- ➤ To inculcate a spirit of universal brotherhood, religious tolerance, and amiable relations with major world religions, among students
- > To acquaint the students with the discourses related to Ethics, Human Right, Rationalism and Philosophy, Sufism and Spirituality
- To instill the spirit of tolerance and patience among its students in order to promote communal harmony and mutual understanding in a pluralistic society.

Programme: B.A with Islamic studies as a subject

Semester	Chapter	Course outcome
I	Jahiliyah	To Understand the socio-religious
Introduction To	Arabia	and politico- economic conditions
Islamic		of Pre-Prophetic period of Arabia
Civilization		To know the overall scenario of
(DSC-IS-IA)		the 7 th century Arabian peninsula.
	Islam in	To learn the basics of Islam as a
		Faith/
	focus	Religion
		To understand the revelation,
		compilation, structure and major
		teachings of the Qur'an—the basis of

		Islam
	The prophet	To learn about different
	(PBUH) and	phases of Prophet's Blessed
	his times	Life
		To learn about the major events
		of his life (PBUH) and their impact
		on, and relevance in, the present
		times To understand the
		different methodologies and
		strategies adopted by the
		Prophet (PBUH)
		for creating a welfare society
	The	To understand how the 'Islamic
	Piou	Civilization', established by the
	s Caliphate	Prophet (PBUH), was carried on
	and Banu	successfully by later generations
	Ummayya	of Muslims
	(632-750 CE)	To study the intellectual, scientific,
		administrative, cultural and artistic
		developments during the period.
II	Ulūm al-	To Understand the different subjects
Islamic Religious	Qur'an	of Qur'anic sciences
Sciences		To comprehend science of

(DSC-IS-IB)		interpretation and explanation of the Qur'an; its origin and development; and some important exegetes and
	Hadith	their exegesis To understand the science of Ḥadīth (Saying and Doings of the Prophet [PBUH]), and its place and importance; To know about the different stages of hadith compilation and classification of hadith and to learn about the salient features of some authentic works on Ḥadīth
	Fiqh	To learn about the meaning and importance as well as sources of Jurisprudence To know about the basic concepts related to Jurisprudence, like Ijma, Ijtihad, etc.
	Important Schools of Figh: An Introduction	To know the emergence and development of different schools of thought, and their impact on different Muslim societies, past and present
III Muslim Philosoph and Y	Ilm al-Kalam	To Understand the concept of Rationality in Islam To know about the

Tasawwuf	genesis of different
(DSC-IS-IC)	rational schools of
	thought in Islam, and
	their basic beliefs/
	teachings

Mus	slim	To learn about the
	osphy	contribution of various
pilli	ospiny	
		prominent Muslim
		philosophers of
		Medieval era and their
		impact on later
		Philosophical thought
	awwuf:	To learn about genesis of Sufism
Orig	gin and	and different phases of its
Dev	elopment	development
		To learn about the life, legacy
		and teachings of various
		prominent Sufis of classical era
Sufi	s of Later	To learn about the life, legacy, and
Peri	od and	teachings of various prominent
Sufi	Silsilas	Sufis of medieval and modern eras,
		both in Arab world and South Asia
		To understand the
		emergence of some
		major/ influential Sufi
		orders and their
		principles
IV semester Ara	bia &	
Islam in the Turl	kev	To study Islam vis-à-
Modern World	-,	vis Modernity/
(West & South		Westernization
Asia) (DSC-IS-ID)		To aware students with the
, (222.2.2)		intellectual awakening of the
		Muslim world by discussing
		Thought & Reform Movements (of
		Arab World) from 18 th Century
		onwards: Wahabiya; Sanusiyyah;
		Ikhwan al-Muslimun
		To learn about the spread of
		·
		Colonialism in Muslim world and
		the Muslim Response to it, in
		Turley, Iran, etc.
Iran		To aware students with the
		intellectual awakening of the
		Iranians by discussing the

	developments that took place in
	from 16 th century to 20 th century—
	including cultural, intellectual, and
	political
India	To acquaint students with the
	happening of 18 th to 20 th century
	Sub-Continent
	To know about the various
	educational institutions that
	emmerged as a response to
	modernity: Darul 'Ulum
	Deoband; Nadwat-ul 'Ulama;
	Aligarh Muslim University; and
	Jamia Milia Islamia
Modern	To acquaint students with life,
reformis	works, thought, legacy/
t	
thinkers and	contribution & impact of
their	prominent thinkers: Jamal al-Din
role	
	Afghani; Mawlana Ilyas; Abul
	Kalam Azad; Allama Iqbal;
	Mawlana Mawdudi.
	To get aware about the reformist
	legacy of Muslim thinkers of
	colonial and post-colonial era of
	Sub- Continent

ENVIRONMENTAL SCIENCES

Learning outcomes:

- ➤ Understand the natural environment as a system and how human enterprise affects that system.
- ➤ Demonstrate extensive and systematic acquaintance of the disciplinary foundation in the various areas of Environmental Science.
- Insightfully address the contemporary research and development at both national and international arena
- > Understand and engage in the field of Environmental Sciences and its allied areas.
- Show ability to apply scientific knowledge & experimental skills in critical and organized Manner for evaluation and elucidation of complex environmental problems
- ➤ To give basic and preliminary knowledge of environment to every graduate of the country.
- > To make students aware about different environmental phenomena viz climate change, acid rain, ozone layer depletion
- To make students aware about ecology and ecological phenomenon.
- Know the key environmental challenges facing the planet, know relevant interdisciplinary information about these challenges, and be able to develop/identify feasible solutions.

Course outcomes:

Semester	unit	Course outcomes
		1. Gain Knowledge of the environment and the role of human
		beings in shaping the environment.
	Understanding environment	2. Understand various components of the environment and interfaces.
		3. Develop a critical understanding of the physical environment
		and social environment.
		4. Understand the human surrounding and the role of human being
		in shaping the surrounding.
		5. Critically appreciate the environmental concerns of today.
l Sem		6. Gain Knowledge on ecology, and ecological dynamics.
1 36111		7. Get the Ability to interpret ecosystem services.
		8. Learn to Set up experiments to appreciate concepts of Ecology.
		9. Critically examine the forces impacting ecosystems.

Natural resources and sustainability.

Appreciate attributes of natural resource use and management.
 Understand the complexity of natural resource and issues,

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UTTERSOO—SHANGAS ANANTNAG

	Environmental	1. Understand the need to address current environmental issues.	
	issues,	2. Gain Knowledge on the types and the science of	
	policies and	environmental pollution.	
II Sem	practices	3. Appreciate the effect of pollution on human health	
		4. Develop Analytical ability to link cause and effect of pollution	
		5. Understand Critical issues of handling pollution vis a vis	
		human being	
		6. Develop pollution mitigation/abatement strategies	
		7. Address solid waste management practices through a	
		cradle-to- grave approach	
		8. Apply understanding to generate recourses from wastes	
		9. Understand the Indian constitutional provisions with	
		respect to the	
		environmental protection	
		10 Develop comprehensive understanding of pollution	
		control laws.	
		11. Recognise major chemical/ photochemical pathways of	
		organic and inorganic gases and their implications including	
		acid rain, ozone depletion,	
		12. Understand the different types of natural hazard, their	
		major driving	
		forces/ factor, and the causes.	
		13. Ability to draw conclusions form environmental	
		movements, environmental legislations	

COMPUTER APPLICATIONS:

Learning Outcomes:

- At the end of the three-year B. A/B.sc programme with computer applications as one of the subjects, the students will be able to:
- ➤ Understand, analyse and develop computer programs in the areas related to algorithm, web design and networking for efficient design of computer-based system.
- Work in the IT sector as system engineer, software tester, junior programmer, web developer, system administrator, software developer etc.
- Apply standard software engineering practices and strategies in software project development using open-source programming environment to deliver a quality of product for business success
- ➤ Equip themselves to potentially rich & employable field of computer applications.
- ➤ Pursue higher studies in the area of Computer Science/Applications.

Course outcomes:

Seme ster	Course name & course code	Course outcomes
1 st	Programming fundamentals using C++ (BCA121C)	Understand the basic terminology used in computer programming Use different data types in a computer program. Design programs involving decision structures, loops and functions. Explain the difference between call by value and call by reference. Understand the dynamics of memory by the use of pointers. CO6: Use different data structures and create/update basic data files
2 nd	Computing	Demonstrate competency in

	mathematics	the areas that comprise the
	(BCA221C)	core of the mathematics
		Demonstrate the ability to
		understand and write
		mathematical proofs
		Be able to use appropriate
		technologies to solve
		mathematical problems
		Be able to construct
		appropriate mathematical
		models to solve a variety of
		practical problems
		Obtain a full-time position in
		a related field or placement
3rd	Computer networks (BCA321C)	: Explain the importance of
		data communications and the
		Internet in supporting business
		Communications and daily
		activities.
		Explain how communication
		works in data networks and the
		Internet.
		Recognize the different
		internetworking devices and
		their functions.
		Explain the role of protocols
		in networking.
		Analyze the services and
		features of the various layers
		of data networks.

4 th	Data base	Understand, appreciate and
	managemen	effectively explain the
	t	underlying concepts of
	(BCA421C)	database Technologies.
		Design and implement a
		database schema for a given
		problem-domain
		Normalize a database and
		Populate and query a
		database using SQL DML/DDL
		commands.
		Declare and enforce integrity

		constraints on a database
5th	Programming in	Develop Swing-based GUI.
3	java(BCA521C)	Develop client/server
		applications and TCP/IP
		socket programming
		Update and retrieve the data
		from the databases using SQL
		Develop component-
		based Java software using
		JavaBeans.
		Develop server side programs
		in the form of servlets.
6 th	Object oriented	Understand object-oriented
	programming using	programming features in C++.
	C (BCA621C)	Apply these features to
		program design and
		implementation.
		Understand object-
		oriented concepts and
		how they are supported by
		C++.
		Gain some practical
		experience of C++.
		Apply the facilities offered by
		C++ for Object-Oriented
		Programming

EDUCATION:

Learning outcomes:

- Understand the basic concepts and ideas of educational theory.
- > Build understanding and perspective on the nature of the learner, diversity and learning.
- ➤ Comprehend the role of the systems of governance and structural functional provisions that support school education.
- ➤ 4Develop understanding about teaching, pedagogy, school management and community involvement.
- ➤ Build skills and abilities of communication, reflection, art, aesthetics, theatre, self expression and ICT.

Program specific outcome:

Semester	Course outcomes	
I semester Educational Sociology (EDU 116)	 The purpose of the topic is to develop knowledge about educationalsociology To explore the concept of culture and its relationship witheducation To learn the concept of socialchange To understand the different factors of social change To acquaint students about the concept of social process. To understand the various socialproblems To learn how education overcomes social problems 	
II Semester Educational Psychology (EDU 216)	 The purpose of the topic is to develop knowledge about educationalpsychology To explore the concept of learning and its varioustheories To learn the concept ofintelligence To understand how to nourish creativity amongstudents To acquaint students about the concept of personality. To learn about various theories of personality To understand the various problems of adolescenceperiod To learn about the concept of mentalhealth 	

III semester Educational philosophy (EDU 316)	 To explore the concept ofphilosophy To understand the relationship between education andphilosophy To explore the concept ofphilosophy To understand the relationship between education andphilosophy To define pragmaticphilosophy To describe its educationalimplications To prod the students to imbibe the educational thoughts of Tagore, Gandhi and Vivekananda
Early childhood care and education (Skill enhancement course)	 To learn the concept of ECCE. To understand various methods of studding child behaviour. To discuss the concept of development. To explore various features of development To acquaint the students about recommendations of NPE-1986. To make students aware about features of NCF- 2005 To explain the concept of ECCE given Froebel, Montessori and Dewey
IV Semester History of education in India (EDU 416)	 The purpose of the topic is todevelop knowledge about Vedic and Buddhist systems of Education To explore the system of education during Muslim period inIndia To learn about different education commissions in BritishIndia To understand the salient features of different educationcommissions To acquaint students about Radhakrishnan commission and Secondary education Comm. To study salient features of Kothari commission
	andNPE-1986To understand the history of education system in J&K

Educational technology (Skill enhancement course)	 To learn the concept of educational technology To understand the role of ICT ineducation To explain the significance of teaching learningaids To learn the concept of computer assisted instruction To discuss the phases and maxims of teaching To learn about micro-teaching and simulated teachingtechniques To learn the concept of communication To understand various types of communication
V Semester Statistics in education (EDU 516)	 To describe different types of centraltendency To compute mean, median andmode To understand different measures of variability To compute S.D, Q.D andRange To compute percentile and percentile rank methods To learn various correlation techniques To understanding the meaning of parametric and non-parametric statistical techniques To learn the use of parametric and parametric statisticaltechniques
Guidance and counselling (Skill enhancement course)	 To learn the concept ofguidance To understand the history of guidance movement inIndia To aware students about philosophical and psychological foundations of guidance To aware students about socio-cultural foundations ofguidance To learn the educational, occupational and personal guidance services To learn the appraisal services ofguidance To understand the concept ofcounseling To learn the different types of counseling techniques.
VI Semester Issues & trends in contemporary Indian education (EDU616)	 To explore the concept of adulteducation To acquaint the students with distance mode oflearning To provide knowledge about differently

	abledchildren.	
	To know about different categories of exceptionalchildren	
	 To familiarize the students about various concepts of guidance and counselling, its objectives, need, techniques and emerging concepts in the presentage To make students learn various statistical techniques 	
Inclusive education (Skill enhancement course)	 To learn the concept of inclusiveeducation To aware students about the characteristics of inclusiveeducation To provide knowledge about differently abledchildren. To know about different categories of exceptionalchildren To learn about working towards gender equality To understand marginalized sections of the society To know the IEDC-1974 and RCI-1992 To acquaint the students about SSA-2000 and NCF-2005 	

ECONOMICS

Learning outcomes:

- > Students will be able to understand economic vocabulary, methodologies, tools and analysis procedures.
- > Students will be familiar with the knowledge and application of micro economics for the formulation of policies and planning.
- > Students will learn to apply economic theories and concepts to contemporary social issues, as well as analysis of policies.
- > Students will be able to understand the impact of government policies and will be able to assess the consequences of the policies on the parties involved.
- As the programme contains the fields like statistics, mathematics and economic principles, it enhances them to compute and assess the real situation of the economy including the size and changes of population, income pattern, and rate of development with pattern of savings and investments and social security measures adopted in the country.
- > Student develops an awareness of career choices and the option for higher studies.

Course outcomes:

Semester	Course outcomes
I Sem Principles of microeconomics (ECO-120C)	 To give an insight to the students about the basic concepts used in Micro economics. To get a basic understanding about micro economics. To provide basic understanding on micro economic concepts, relating to Consumer behaviour, Producer behaviour markets, factor pricing, and distribution .
II Sem Principles of microeconomics-II (ECO-220C)	 To give an insight to the students about the basic concepts used in Micro economics. To get a basic understanding about micro economics. To provide basic understanding on micro economic concepts, relating to Consumer behaviour, Producer behaviour markets, factor pricing, and distribution.
III Sem Principles of macroeconomics (ECO-320C)	 To give an insight to the students about the basic concepts used in Macro economics. To enable the students to understand the theoretical framework and the working of an economy as a whole. To suggest the policy alternatives used in controlling the economy. To explain the process of calculating national income, identify its components, demonstrate green accounting and social accounting.
IV Sem Principles of macroeconomics-II (ECO-420C)	1. This paper gives an insight to the students about the basic concepts used in macro economics and policy alternatives. 2. To enable the students to understand the theoretical framework and the working of an economy as a whole. 3. To illustrate the meaning of inflation, deflation and stagflation, identify different kind of inflation, causes and effects of inflation on the different sectors of the economy. 4. To illustrate the meaning of unemployment, business cycles, AD and AS and their components.
IV semester Skill Enhancement course-1 Statistics for Economics (SE-	To familiarize the students with statistical tools

420S)	 and techniques. 2. It helps students to the basic statistical methods used for analyzing and drawing statistical inferences which include Measures of central tendency, Dispersion, Skewness, Correlation, Regression, Index numbers and time series. To enable the students to understand basic and advanced concepts of statistics and their application in Economics.
V Sem (Discipline specific elective-1) Development Economics (ECO- 520DA)	 To enable the students to understand the basic concepts of Development and Growth. It also intends to provide the theoretical framework for growth and development discourses under different schools of economic thought and a better insights and knowledge on issues and challenges on economic development. It aims to familiarize students with alternative approaches to economic development and the associated issues in economic growth and development.
V Sem (Discipline specific elective-2) Money and Banking (ECO- 520DB)	 To enable the students to know the evolution and role of money in the economy. To familiarize the students about the role of money in facilitating the economic transactions, various determinants of demand and supply of money and the overall structure and functioning of commercial and central banks. It also provides an insight into the innovative role of banks in the changing economic set up.
V semester Skill Enhancement course-2 Mathematical Economics (ME- 520S)	 To get an insight in to the mathematical techniques. Applying methods of Differentiation in understanding principles of Economics Getting proficiency in Matrices and Determinants. Familiarize some immediate applications of Matrices and Determinants in economics. Introduction to Matrix Algebra. Getting awareness on the increased use of mathematical methods in Economics. Apply mathematical tools and methods for understanding the theory of Economics and develop the capability of applying the same in solving problems in Economics.
V semester Generic elective-1	To give an insight to the students about the basic concepts used in Micro economics.

Microeconomics (MIC-520G)	 To get a basic understanding about micro economics. To provide basic understanding on micro economic concepts, relating to Consumer behaviour, Producer behaviour markets, factor pricing, and distribution.
VI semester Discipline Specific Elective-3 Public Finance & International Trade (ECO-620DA)	 To provide basic information to students on the scope, significance and functions of government. A general understanding about fiscal policy and its various instruments. To give an awareness about budgeting with special reference to India. To understand the basic concepts of international trade. To enable the students to have a basic understanding of the emerging trend, issues and policies in the field of international economic system.
VI semester Discipline specific elective-4 Economic Development and policy in India (ECO-620DB)	 To enable the students to have an understanding of the various issues of the Indian Economy, like unemployment, poverty, agriculture, industry and human capital issues. To enable the students to comprehend and critically appraise current issues and problems of Indian economy. The focus of this course is on the development of Indian Economy since Independence. To understand the importance of planning undertaken by the government of India. To sharpen the analytical faculty of students by highlighting an integrated approach to the functioning of the Indian Economy and the scope for alternative policies imperative for sustainable growth. trajectory.
VI semester Skill Enhancement course-3 Entrepreneurship for self Employment (ENT-620S)	schemes and avenues available in J&K.
VI semester Generic Elective-2 Macroeconomics (MA620G)	 To give an insight to the students about the basic concepts used in Macro economics. To enable the students to understand the theoretical framework and the working of an economy as a whole. To suggest the policy alternatives used in controlling the economy.

ZOOLOGY

Learning outcomes:

After completing the three-year course with zoology as one of the subjects, the students will be able to

- Understand how animals are being classified and identified.
- Demonstrate the knowledge of basic zoological principles.
- Use appropriate information with a critical understanding.
- Learn basic laboratory and analytical skills
- Use effective methods for modifying animal behaviour.
- participate in animal management programmes in an effective manner
- work safely and effectively in the field, in laboratories and in animal facilities
- Demonstrate competence in handling and statistical analysis of data gained from practical.

Course outcomes:

Semester	Course outcomes
I Sem Animal diversity (ZO116)	 Develop an understanding of Animal diversity with regard to Protozoa,non-chordates and chordates. Group animals on the basis of their morphological, structural and phylogenetic characteristics in order to achieve homogeneity and to make their study easy and convenient. Develop a critical understanding how animals changed from a primitive cell to a collection of simple cells to form a complex body plan. Examine the diversity and evolutionary history of a taxon through the construction of a basic phylogenetic tree or a cladistics tree. understand how morphological change due to change in the environment helps drive evolution over a long period of time. The project assignment on the course will give the students a flavour of research to find the process involved in studingbiodiversity and taxonomy besides improving their writing skills.
II Sem Comparative anatomy & developmental biology of vertebrates (ZO216)	highly complex and intelligent mammals.

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	 jelly i.e, fertilized or unfertilized egg/zygote becomes an early embryo and then a fully formed baby or larva through the three fundamental processes of cell division,cell differentiation and morphogenesis. Provide an understanding how the three primary germ layers are being established at gastrulation and how various types of embryonic cell movements carve out a fullfledged baby or a larva out of these primary cell layers. Providing a basic understanding of embryonic induction and competence,wherein a student is able to understand how one embryonic tissue called as primary organizer can induce the development of nerve cord and other tissues by the release of a chemical signal called as evacator. It makes the students to realize that early developmental patterns are similar in almost all organisms thereby providing a strong embryological evidence in favour of evolution. It enables the students to understand the fundamental law of embryology that ,"Ontogeny repeats Phylogeny". It enables the students to understand a relevance of developmental biology in medicine or in role in development of diseases.
III Sem Animal physiology and Bio-Chemistry (ZO316)	 To give an understanding of basic physiological processes like digestion and absorption of food, respiratory gaseous exchange and respiratory volumes, functioning of heart and circulatory patterns, physiology of vision and hearing. To give a basic understanding of various physiological disorders pertaining to human body To give an understanding of basic bio-chemical reactions and metabolic pathways that sustain the life of Animals.
IV Sem Genetics and Evolution (ZO416)	 Develop an understanding of basic principles that govern transmission of genes and characters from one generation to sub-sequent generations Develop an understanding of Mendellian and Non-Mendellian patterns of inheritance Develop an understanding among students how a desirable genetic change can result in a useful mutation that can drive an evolution process which may prove highly beneficial in

	 agriculture or animal husbandry. Develop an understanding among students how immensely the science of Genetics and animal breeding has contributed to human-welfare.
V Sem Applied zoology	 Understand the management and importance of poultry and diary farming understand beekeeping and its management along with requisite beekeeping tools. learn about Lac culture, pearl culture, pisciculture and their scientific management for more commercial benefit. Create an awareness among students about various career options and activities available in human medicine, biomedical research and allied fields.
VI Sem Immunology	 Develop an understanding of human pathogens and parasites along with remedial measures against them identify basic components of body's defence system. identify the major cellular and tissue components that comprise innate and adaptive immune system. Develop an understanding how immune system of human body can mount strong immunological responses against pathogens, parasites, transplanted organs and sometimes against body's own antigens like muscles, glands and joints. Develop an understanding of vaccines and immunization.

ENGLISH

SUBJECT OUTCOME

- To develop the students' linguistic link in global scenario.
- To help the students develop all the four basic skills of language learning viz. listening, speaking, reading, and writing.
- ➤ To develop students' interest in linguistic skills like pronunciation, intonation, stress etc. to connect with the globe in global language
- ➤ To develop/ inculcate interest of students in varied aspects of world literature: introducing them to various cultures, milieus and histories of both the English nations and Non-English nations

Program: BA/ BSC with English as a Subject

Semester	Unit	Course outcome
III	Grammar in use	Language development activities have been
		included to enable students to acquire accuracy in
English I		the language
Eng-01		A creative exercise has been added to facilitate
		learners
		to understand the functional value of grammar in real
		life
		situations.
	Writing / English sound	Familiarize the students the concept and use of
	system	punctuation.
		To introduce students to the sound system of English
		language
	poetry	To develop among the students aesthetic sense.
		To introduce the great poets like William
		Shakespeare John Milton William Blake, and
		their works.
	Essay/Short Stories	To develop among them the craft of essay writing.
		To flourish their craft of short story writing.
V	Poetry	To familiarize students with Indian Poetry by
General English		introducing A K Ramanujan and Agha Shahid Ali.
GE-016		Describe how modern poetries famed as is evident
		from
		Agha Shahid Ali's Poetry
	Grammar	To recognize and incorporate basic grammar
		mechanics
		and sentence variety in writing including Modals
		and

subject-verb agreement.

		To teach grammar not only through consciously
		tradition
		ways but also on the basis of deep and sub-conscious learning
		To make students aware about prose and how it is
		constructed with introducing of Amritya Sen and
VI	Prose	Martin Luther King Jr.
General English		To create interest among students in prose
GE-016		reading and urge to become as a prose writer
G1 010		To help the students to develop powerful and
	Composition	professional skills and email writing, précis
		advertisement and essay writing
Skill enhancement cou	ırse	
Semester	Unit	Course outcome
IV	History of FLT in India	To help students to have a comprehensive
English Language	History of ELT in India	knowledge of the history of ELT in India.
		To understand the importance and relevance of
		English Language Teaching in the age of globalization.
		To introduce the students to the (LSRW)
	Receptive Skills and Productive Skills	language skills and help them to improve in
		these skills.
		To involve students in the practical exercises of
		Listening, Speaking, Reading and Writing To acquaint the students to the concept of stress,
Teaching-II (ENG417S)		rhythm and intonation in English language.
	Suprasegmental	To understand the importance of vocabulary
	Phonology	development.
		To help students pronounce English sounds correctly.
		To help students to acquire practical
	English in Everyday	knowledge/command of English language.
	Communication	To develop communicative competence in English
		language.
V SKILL		To acquire fundamentals of writing skills in
ENHANCEMENT		English To acquire practical knowledge in
COURSE	I	business correspondence
(SEC III)	1	business correspondence To introduce the students to the rolefeatures and use of English for business purposes

	To acquire fundamentals of writing skills in
	English Acquire practical knowledge in business
	correspondence
"	To introduce the students to the role features and use
	of
	English for business purposes
III & IV	To acquire fundamentals of writing skills in English
	To acquire practical knowledge in business
	correspondence
	To introduce the students to the role features and use
	of English for business purposes

ENGLISH COMMUNICATION SKILL

Semester	Unit	Course outcome
I Communications Skills I (AECC I)	Communication: An Overview	To make students aware about different types of communication. To raise the knowledge of students about Different components of non-verbal communication.
	Listening Skills	To make students aware about different types of listening. To make students to know about barriers to effective listening.
	Presentation	To prepare students for an effective presentation. To prepare students for the demos
	Language in practice	To take mock interviews of students To put the students in group discussion.

II Communication Skills –II (AECCIIB)	Reading Skills	To make the learning of reading skill in English
		easy and accessible.
		To clarify the concept of reading
		through ample examples, adequate exercises and
		activities.
		To familiarize the students to the concept
		of different forms of writing especially
	Paragraph Writing	paragraph Writing.
		To help the students to master the creative skill
		of writing through exercises from select texts

MATHAMATICS

Learning outcomes:

Demonstrate an understanding of the foundations and history of mathematics.

- > Perform computations in higher mathematics. Read and understand middle level proofs, write and understand basic proofs.
- Develop and maintain problem solving skills. Use Mathematical ideas to model real world problems.

Semester	Unit	Course outcome
	Limit & Continuity	To know methods of finding limits
		To know how to find a function is continuous
	Tangents &	To learn about tangents & Normals.
I	Normals	To learn how to find equation of normal
Differential Calculus	Series Expansion	To learn how to find expansion of
(BMM-CR-16101)		functions. To know about Taylor's series
		and Maclaurin's
		series.
Int	Integration	To learn different methods of integration
	Real Sets	To know about infimum & supremum.
	Rear Sets	To know about countable & uncountable sets
III	Sequences	To know about Cauchy sequence.
Real Analysis		to know about convergent sequences
(BMM-CR16301)	Series	To know about tests for convergence of a series
	Series of functions	To learn about Power series and Radius of
		Convergence.
	Groups	To know about groups and their examples
IV Algebra(BMM-CR-	Sub-Groups	To learn order of an element.
		To know about Cyclic groups.
	Non sub-Groups	To learn about Normal sub groups and their
Algebra(BMM-CR-	Non sub-Groups	To reall about itelliar sub groups and their
Algebra(BMM-CR- 16401)	Non sub-Groups	characterization.
	Non sub-Groups Rings	

IV sem skill	Roots of Equations Symmetric	To know the techniques of finding roots of an equation. To know how to diminish the roots. To know symmetry of roots.
Theory of Equations	function of roots	Carden's and Descart's method.
& Vector Calculus	Vectors	To know different kinds of vectors. To know Green's Theorem and its applications
	Gradient and curl of vectors	To know gradient and curl of vectors
III sem skill Logic Sets and Complex Trigonometry (BMM-SEC-16301)	Logic sets	To know about Logic Sets and their truth tables.
	Relations	To learn what we mean by a relation. To know about equivalence relation
	Complex variables-I	To learn the techniques of finding nth roots of an number. To know De'Mories Theorem
	Complex variables-II	1 To find techniques of finding expansion of functions. C+iS method.

Sociology

Learning Outcomes: After completing the three year course with sociology as one of the subjects, the students shall be able to understand

- ➤ Basic concepts and theoretical perspectives in Sociology and how they are used in sociological explanation of social behaviour.
- ➤ How to collect, analyze and interpret empirical evidence in sociological research
- ➤ Gain familiarity with and develop an understanding of core substantive areas of sociological inquiry.
- Express sociological ideas clearly and coherently both in writing and in oral presentations.
- > Examine the roles and responsibilities of individuals, groups, and institutions in larger society, displaying understanding of the complex relationships between human behaviour and the social context.
- ➤ Propose a plan of research for a sociological problem or issue, including conceptualization of the problem, review of pertinent literature, design of a research study, and identification of methods appropriate for exploring the problem or issue.
- Apply various theoretical perspectives to issues in society, showing how a perspective frames each issue, that is, how we understand the issue, the kinds of questions we can ask about it, and the kinds of research methods we can apply to answering the questions.
- ➤ Think critically about the causes and consequences of social inequality.
- > Design and evaluate empirical sociological research.
- Explain and apply the major theoretical perspectives in sociology.
- Communicate orally and in writing about sociological concepts.
- ➤ Use their sociological education outside of the undergraduate classroom, particularly in their careers or further education.

Course outcomes:

Class/Course Code	Course Name	COURSE OUTCOME
		1. The students are expected to be well
		versed with the emergence and domain of
		the Sociology.
		2. The students are expected to carry a very
SEMESTER I	Introduction To	good understanding of the fundamental
DSC-SOC-1A	Sociology	concepts and schools of thought in
		Sociology

SEMESTER II DSC-SOC-1B	Sociological Thought	1. The students shall possess a sound theoretical base 2. The learners are also expected to identify the contributions of the major classical thinkers of sociology
SEMESTER III DSC- SOC-1C	Indian Society: Structure And Change	1. The students shall be able to carry a fundamental understanding of the structure of Indian society 2. The students are particularly expected to understand the dynamics of the basic social institutions in India.
SEMESTER IV DSC-SOC-1D	Methodology Of Social Research	1. The students are expected to have good command upon the fundamentals of research 2. Be familiar to make use t Of basic statistical tools in analysis of the research data
SEMESTER V	Marriage, Family And Kinship	1. The students are projected to possess a fundamental knowledge about the structure and functioning of the basic institutions of the Marriage, Family and Kinship. 2. The students are expected to be well acquainted with the all-round changes that have taken place in the structure and functioning of these institutions over a period of time.
SEMESTER VI	Social Stratification	1. The students are expected to be well familiar with the concept, types and impact of social stratification and social mobility 2. The students are particularly expected to have a deep understanding of the factors leading to and also impeding the social mobility in India.