

2 The following provisions regarding Generic Electives courses under UGCF be accepted:

- (i) The mandatory GEs for developing a discipline as a minor for students enrolled in Single Core Programmes be fixed as three, while the rest of the minimum four GEs required to make it a minor be chosen from the GE pool of that discipline, keeping in view the levels of the GEs.
- (ii) For Students, who have been enrolled in the academic session 2022-23, as they have already studied four GE Courses, they may be given the flexibility to pick any three mandatory courses of the relevant discipline, irrespective of the pre-requisites prescribed for the same.

S.No.	Department		Total GE given	Mandatory
1	Anthropology	Level - 100	Sem 1: Biodiversity and Indigenous Knowledge	04 GE Mandatory given <ul style="list-style-type: none"> • Sem 1: Biodiversity and Indigenous Knowledge • Sem 3: Anthropology and Fieldwork • Sem 4: Tribes of India • Sem 8 : Public Policy and Governance
	15.05.2024		Sem 2: Customary Law	
		Level -200	Sem 3: Anthropology and Fieldwork	
			Sem 4: Tribes of India	
			Sem 5: Anthropology of Sustainable Development	
			Sem 6: Environment and Health	
		Level - 300	Sem 7: Gender and Society	
			Sem 8 : Public Policy and Governance	
2	Statistics	Level - 100	GE-1a: Basic Statistics* GE-1b: Time Series Analysis and Index Numbers	* GE Courses that are mandatory to be studied if a student wishes to make it a minor discipline. * ¶ This paper is not mandatory for Maths (Hons.) and Economics (Hons.)
			GE-2a: Introductory Probability*¶ GE-2b: Applications in Statistics	
		Level - 200	GE-3: Elements of Sampling Distributions*	
			GE-4a: Basics of Statistical Inference* GE-4b: Statistical Computation using R	
			GE-5a: Introduction to Statistical Linear Models* GE-5b: Statistical Techniques for Quality Control	
			GE-6a: Survey Sampling and Design of	

			Experiments* GE-6b: Statistics in Actuaries	
		Level -300	Choose at most two: GE-7a: Non-Parametric methods GE-7b: Introduction to Bayesian Inference GE-7c: Elements of Stochastic Processes	
			Choose at most two: GE-8a: Order Statistics GE-8b: Statistics in Finance GE-8c: Introduction to Reliability Theory	
3	Microbiology	Level - 100	Sem 1: GE-1 (Introduction and Scope of Microbiology)	3 GE Mandatory given
	13.03.2024		Sem 2: GE 6 (Microbes in Environmental Management)	
		Level - 200	Sem 3/5 : GE 2 (Microbes in Health and Hygiene)	
			GE : 3 (Food Fermentation and Preservation Techniques)	
			Sem 4 /6 GE 5 (Microbes in Animal Health)	
			GE-7 (Microbes in Infectious Diseases)	
		Level -300	Sem 7 GE-4 (Microbial Quality Control and Testing)	
			GE 8 (Applications of Microbes in Biotechnology)	
			GE-9 (Fundamentals of Agricultural Microbiology)	
			GE-10 (Microbial Products in Therapeutics)	

4	Zoology	100 Level	Exploring Animal World*	Approved GE courses for the UG programme considered mandatory to be studied to make as a minor discipline in Zoology (in bold)
	15.04.2024		Nature and Wildlife Studies	
			Economic Zoology	
			Lifestyle disorders	
			Food Nutrition and Health	
			Introduction to Biology	
		200 Level	Human Physiology*	
			Water Borne Diseases: Understanding and Management	
			Microbiota: Importance in Health and Disease	
			Insect Vector and Diseases	
			Animal Cell Biotechnology	
			Introduction to Public Health and Epidemiology	
			Concept of Animal Behaviour	
			Model Organisms in Research	
			Nanobiology	
			Forensic Biology	
		300 Level	Developmental Biology	
			Classical & Molecular Cytogenetics*	
			Fundamental of Immunology	
			Concepts of Human Metabolism	
			Neurobiology	
			Cell Biology	

		Concepts of Evolutionary Ecology			
		ODD Semester	Even Semester		
5	Psychology 02.04.2024	100 Level	*Foundations of Psychology (T)	*Basics of Social Psychology (T)	Mandatory courses for students to claim minor in Psychology/Applied psychology are indicated in bold
			Understanding Psychology (P)	Intergroup Relations (P)	
			Psychology for Healthy Living (T)	Health and Well-being (T)	
			Understanding Human Mind (T)	Self in Contemporary Society (T)	
		200 Level	Industrial and Organizational Psychology (P)	Youth and Mental Health (T)	
			*Foundations of Developmental Psychology (P)	Psychology at the Workplace (T)	
			Media Psychology (T)	Disability and Rehabilitation (T)	
			Identifying and Dealing with Psychological Disorders (P)	*Foundations of Inquiry in Psychology (P)	

			Psychology of Adjustment (T)	Group Processes and Dynamics at Work (P)	
				Negotiating Intimate Relationships (T)	
		300 Level	Cognitive Psychology in the Contemporary World (T)	Basics of Counseling Psychology (T)	
			Understanding Diversity (T)	Conflict and Conflict Management at Work (T)	
			Understanding Human Resources (T)	Psychology of Sexuality (T)	
			Psychology and Communities (T)	Yoga and Psychology (T)	
			Sports Psychology (P)	Family Relations (T)	

6	Philosophy 29.01.2024 Feb., 2024	100 Level	Ethics in Public Domain (EDP)	GE Mandatory not given
			Technology and Ethics	
			Constitution Morality	
			Media Ethics	
			Philosophical Issues	
			Arts and Film Appreciation	
			Critical Thinking	
			Engaged Buddhism	
			Philosophy, Political, Economics	
		200 Level	Formal Logic	
			Readings in Western Philosophy	
			Philosophical Debates Western	
			Bio Ethics	
			Philosophy of Ambedkar	
			Approaches of Indian Philosophy	
			Feminism	
			Philosophical Debates (Indian)	
			Sikhism	
			Philosophy of Education	
			Fundamental of Philosophy	
			Legal Philosophy	

			Feminist Theory	
			Care Ethics	
			Philosophical Counselling	
		300 Level	Bio Politics	
			Symbolic Logic	
			Social & Political Philosophy	
			Global Philosophy	
			Philosophy of Literature	
			Philosophical Methodology	
7	Punjabi 25.01.2024	100 Level	Punjabi Bhasha Da Mudhla Padhar	Mandatory GEs are indicated in Bold
			Punjab Di Lokdhara	
			Punjabi Sabhiyachar	
			Viharak Punjabi	
		200 Level	Adhunik Punjabi Kahani	
			DeshVand Di Punjabi Kavita	
			DeshVand Di Punjabi Kahani	
			Punjabi Jeevni Sahit	
			Punjabi Nibandh Sahit	
			Desh Wand di Filmkari	
		300 Level	Punjabi Lok Sahit	
			Bharti Gyan Prabandh: PramukhChintak	
			Punjab Dian Lok Kalavan	

8	Finance and Business Economics		Level 100	Level 200	Level 300	Remarks
	02.02.2024	BMS	<input type="checkbox"/> GE 1: Management Wisdom from India	<input type="checkbox"/> GE 3: Finance for Non Finance Executives	<input type="checkbox"/> GE 9: Ethics and Governance in Business	Following 4 GEs are mandatory papers for granting minor status: GE 2: Fundamentals of Organisation Behavior GE 3: Finance for Non Finance Executives GE 4: Fundamentals of Marketing
			<input type="checkbox"/> GE 2: Fundamentals of Organisation Behavior	<input type="checkbox"/> GE 4: Fundamentals of Marketing Management	<input type="checkbox"/> GE 10: Introduction to International Business	
				<input type="checkbox"/> GE 5: Financial Planning for Individuals	<input type="checkbox"/> GE 11: Wealth Management	
				<input type="checkbox"/> GE 6: Personal Selling	<input type="checkbox"/> GE 12: Family Business and Management	
				<input type="checkbox"/> GE 7: Basics of Human Resource Management		

						Management GE 7: Basics of Human Resource Management
				<input type="checkbox"/> GE 8: Dynamics of Start Ups		
		BBA (BFIA)	<input type="checkbox"/> GE 1: Fundamentals of Financial Management	<input type="checkbox"/> GE 5:Essentials of Financial Investments	<input type="checkbox"/> GE 4:Fundamentals of Econometrics	To make a minor discipline in finance students must read the following four courses: GE 1:Fundamentals of Financial
				<input type="checkbox"/> GE 7:Emerging Banking and Financial Services	<input type="checkbox"/> GE 2:Financial Management of Family Business	
			<input type="checkbox"/> GE 3: Fundamentals of Stock Trading	<input type="checkbox"/> GE 9:Economic Legislation	<input type="checkbox"/> Introduction to Mutual Funds (to be approved)	
				<input type="checkbox"/> GE 6:Personal Finance	<input type="checkbox"/> Introduction to Digital Finance(to be approved)	

				<input type="checkbox"/> GE 8: Working Capital Management	<input type="checkbox"/> Introduction to Foreign Exchange Market (to be approved)	Management GE 5: Essentials of Financial Investments GE 4: Fundamentals of Econometrics GE : Introduction to Foreign Exchange Market
					<input type="checkbox"/> Entrepreneurial Finance (to be approved)	
		BMMMC	<input type="checkbox"/> GE 1: Social Media	<input type="checkbox"/> GE 3: Advertisement and	<input type="checkbox"/> GE 8: Communication and	Following 4 GEs are

				Media	Disaster Management	mandatory
			<input type="checkbox"/> GE 2: Public Service Broadcasting	<input type="checkbox"/> GE 4 : Reporting and Anchoring	<input type="checkbox"/> GE 9 : Development Communication	for minor in Multi Media and Mass
				<input type="checkbox"/> GE 5: Theatre and Communication	<input type="checkbox"/> GE 10: Media Psychology	Communication discipline:
				<input type="checkbox"/> GE 6: Exploring Hindi Cinema	<input type="checkbox"/> GE 11: Gender and Media	GE 3: Advertisement and Media
				<input type="checkbox"/> GE 7: Media Moments in History	<input type="checkbox"/> GE 12: Media Laws and Ethics	GE 4 : Reporting and Anchoring
						GE 9 : Development Communication
						GE 12: Media Laws and Ethics
		BBE	<input type="checkbox"/> GE 1: Principles	<input type="checkbox"/> GE 7:	<input type="checkbox"/> GE 9: International	Following

			of Economics (Semester 1)	Economics of Startups (Semester 3)	Economics /GE 10: Indian Financial System (Semester 7)	GEs are mandatory papers for granting minor status: GE 1: Principles of Economics GE 4: Statistics for Business GE 6: Introduction to Finance (preferably in 3rd year)
				<input type="checkbox"/> GE 6: Introduction to Finance (Semester 4)		
			<input type="checkbox"/> GE 4: Statistics for Business (Semester 2)	<input type="checkbox"/> GE 3: Legal Environment of Business (Semester 5)	<input type="checkbox"/> GE 11: Economic Policy Framework / GE 12: Basic Econometrics / GE 8: Environmental Economics and Climate Change (Semester 8)	
				<input type="checkbox"/> GE 5: Quantitative Techniques of Management /	GE 6: Introduction to Finance (preferably in 3rd year)	

				GE 2: Introduction to Digital Marketing (Semester 6)		
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9	Linguistics	Level 100	Language and Crime	Only 3 mandatory GE given
	29.01.2024		Language and Media	
		Level 200	Language and Mind	Mandatory
			Language Teaching	Mandatory
		Level 300	Language and Translation	Mandatory
			N.A.	
			N.A.	
10	Botany	100 Level	Plant Diversity and Human Welfare	Mandatory 3 GE course are given
	31.01.2024	100 Level	Biofertilizer	
		100 Level	Protected Agriculture: Hydroponics and Organic Cultivation	
		100 Level	Green Belt Development and Urban Management for Smart Cities	
		100 Level	Ethnobotany	
		100 Level	Viewing Diversity in Nature	
		200 Level	Basic Laboratory and Field Skills in Plant Biology	
		200 Level	Agricultural Botany and Weed Science	
		200 Level	Industrial and Environmental Microbiology	
		200 Level	Environmental Biotechnology and Management	

		200 Level	Plant Tissue Culture	
		200 Level	Inheritance in Biology	
		200 Level	Plant Health and Disease Diagnostics	
		200 Level	Environmental Monitoring and Ecosystem Restoration	
		200 Level	Fundamentals of Molecular Biology	
		300 Level	Intelligent Systems in Plants	
		300 Level	Informatics and Statistics for Biology and Allied Sciences	
		300 Level	Plant Biotechnology	
		300 Level	Genetic Engineering technologies and Applications	
		300 Level	Genomics, Proteomics and Metabolomics	

		Home Science: Food and Nutrition	Home Science RMDA	Home Science FADS	Home Science Development Communication	Home Science HDCS	Food Technology
11	Lady Irwin College (HOME SCIENCE)	Fundamentals of Human Nutrition	Essentials of Resource Management	Fashion and Apparel Concepts	Communication and Extension: Concepts and Theories	Self development and well - being	Food Science and Nutrition
	31.01.2024						
	100 Level						
		Food Science	Consumer Studies and Personal Finance	Essentials of Textiles	Communication Systems and Media	Challenges in contemporary childhood.	Food Processing & Preservation
			Sustainability and Space Design	Fashion Accessories			
	200 Level	Nutrition for the Family	Essentials of Human Resource Management	Apparel Design and Selection	Extension Programme Design for Sustainable Development	Adolescents and Youth in the Indian family	Chemistry of Food

		Applied Human Physiology	Interior Design & Decoration	Fabric Study	Gender, Society and Development	Children and Human Rights in the Indian context	Food Microbiology & Food Safety
		Entrepreneurship for Small Catering Units		Traditional Textiles of India	Corporate Social Responsibility and NGO Management	Parenting knowledge and practices in today's world	Food Engineering & Packaging
				Dyeing, Printing and Finishing	Social and Behaviour Change: Approaches & Strategies	Care and well-being across the lifespan	
	300 Level	Current Concerns in Public Health Nutrition	Fundamentals of Ergonomic Design	Fashion Merchandising Management	Advertising and Social Marketing	Elder care: Approaches and methods for compassionate	Processing of Plant Foods

		Concepts in Nutritional Biochemistry	Resource Management for Sustainable Development	Pattern Making and Apparel Construction	Policy & Advocacy for Sustainable Development	Social entrepreneurship for establishing children's programmes	Processing of Animal and Marine Foods
		Diet Therapy	Product Development	Technical Textiles	Training & Capacity building	Women and mental health	Sensory Evaluation of Food
		Nutrition and Fitness	Marketing Management	Textiles for Interiors			
			Corporate Social Responsibility				
			Visual Design & Display				

12	Computer Science 18.06.2024	100 Level (Mandatory)	Programming using Python/GE1b Programming using C++	Any two courses offered by the Department of computer science (DSE/DSC/GE) that may also be from list (b) above
		200 Level (Mandatory)	Data Structure	
		200 level	Computer System Architecture	
		200 level	Database Management Systems	
		200 level	Operating Systems	
		300 Level	Computer Networks	
		300 level	Design and Analysis of Algorithms	
13	Persian		ODD Semester	Even Semester
	14.05.2024	100 Level	Introduction to Elementary Persian Language*	Introduction to Intermediary level Persian *
			History of Persian Literature (India)	An outline of the history of Persian language (Ancient Times)
		200 Level	Spoken Persian - Level 1*	Persian Grammer & Text
			Persian Translation of Indian writings during mughal period	Spoken Persian - Level 2
				An outline history of language & literature of Iran (Pre- Islamic Period) *

		300 Level	Spoken Persian Level 3	History of Persian Literature during Qajar Period (1757-1921)
			Persian Newspaper and Journal Reading	History of Persian Literature during Pahalavi Period & Post Islamic Revolution in Iran (1925 to till date)
14	Sociology	100 Level	Sociology and Everyday Life	<p>A student may be awarded a 'Minor' in Sociology if they have:</p> <ul style="list-style-type: none"> • On completion of VIII semester, earned a minimum 28 credits from seven GE courses in Sociology • Completed at least one 100 level GE Course (anyone from GE1-GE6) • Competed at least one 200 level GE course from the following three courses: <p>GE 07 Social Inequalities GE 08 Cities and Society</p>
	15.05.2024 21.06.2024 28.06.2024		Family and Intimacy	
			Understanding Indian Society	
			Gender, Power and Violence	
			Sociology of Intimate Life	
			Invitation to Sociological Theory	
		200 Level	Social Inequalities	
			Cities and Society	
			Sociology of Climate Change	
			Sociology of Public Health	
			Sociology of Organizations	
			Sociology of Fashion	
			Understanding Development	
			Sociology of Disability	

			Sociology of Tourism	GE 13 Understanding Development Has Completed at least one 300 level GE course out of the following GE 17 Key Debates in Sociology Note : Once all the GE courses are finalized, more courses may be added to the above course bundles. A set of GE courses is under preparation and will be placed for approval alongwith Semester VII and VIII DSC courses. Exception: if a student who was admitted under UGCF 2022 in the academic year 2022-23 or 2023-24 does not meet criteria 2 or 3 above, they
			Sociology of Aging	
		300 Level	Key Debates in Sociology*	
			Media, Culture and Society	

				may either be exempted from the mandatory GE Course at the 100 level or be allowed to meet the criteria during semester V-VIII or III – VIII respectively.
15	Geography		ODD Semester	Even Semester
	01.04.2024	100 Level	Geography of India *	Climate Change and Adaptation
	19.02.2024		Contemporary Environmental Issues	World Regional Geography
	27.06.2024			Education for Sustainable Development
		200 Level	Geography of Tourism *	disaster Management
			Spatial Information Technology	Geography of Trade and Commerce
			Sustainable Development : Science and Policy Interface	Geography of Health and Well Being*
			Regional Development	
		300 Level	Spatial Dimensions of Development	Media Geography and Virtual Space
			Globalization and Mobility	Traditional Ecological Knowledge and Practices
			Geo Heritage and Geo Tourism	Geography of Conflict and Peace

				Studies
16	Arabic		ODD Semester	Even Semester
	20.05.2024	100 Level	Basic Arabic Reading and Writing*	Elementary Arabic Grammar and Translation*
			Conversation and Communication in Arabic	Spoken Arabic - 1
		200 Level	Basic Arabic Translation*	Simple Arabic Text - 2*
			Simple Arabic Text-1	Functional Arabic for Daily Use
				Spoken Arabic -2
		300 Level	Simple Arabic Text-3	Arab Culture and Civilization
			Impact of Arab Scholars on European Renaissance	Simple Arabic Text-4
			Arab World : A Brief Introduction	

17	Electronics Science B.Sc. (H) Instrumentation		Sem I GE 1 (Any One)	Sem II GE 2 (Any One)	
	18.05.2024				
		100 Level	1. Fundamentals of Instrumentation (INGE1A)	1. MATLAB and its Applications (INGE2A)	
			2. Engineering Physics (INGE1B)	Sensors and its Applications (INGE2B)	
				Nuclear & Biomedical Instrumentation (INGE4B):	
				2. Sensors and its Applications (INGE2B)	
		200 Level	Sem III DSE/GE 3 (Any One)	Sem IV DSE/GE 4 (Any One)	
			1. Virtual Instrumentation (INGE3A)	1. Signal and Image Processing (INGE4A)	
			2. Industrial and environmental techniques (INGE3B)	2. Nuclear & Biomedical Instrumentation (INGE4B)	

			Sem V GE 5 (Any One)	Sem VI GE 6 (Any One)	
			1. Industrial safety Instruments (INGE5A)	1. Standardization and Quality Control (INGE6A)	
			2. Instruments for chemical analysis (INGE5B)	2. Wireless networks (INGE6B)	
			(Max Two)	(Max Two)	
	<i>300 Level</i>		Sem VII DSE/GE 7	Sem VIII DSE/GE 10	
			Sem VII DSE/GE 8	Sem VIII DSE/GE 11	
			Sem VII DSE/GE 9	Sem VIII DSE/GE 12	
			1. Instrumentation & Control (INGE7A)		
			2. Photovoltaic technology and Applications (INGE7B)	1. Robotics (INGE8A)	
			3. Machine Intelligence (INGE7C)	2. Augmented and virtual reality (INGE8B)	

				3. 3D printing and design (INGE8B)	

Note : List of GE courses of Instrumentation which are considered mandatory to be studied if a student wishes to make it a minor discipline:

- **Sensors and its Applications (INGE2B)**
- **Nuclear & Biomedical Instrumentation (INGE4B)**
- **Instruments for chemical analysis (INGE5B)**
- **Instrumentation & Control (INGE7A)**

<p>Electronic Science</p> <p>B.Sc. (H) Electronic</p>	<ul style="list-style-type: none"> • GE 1: .Fundamentals of Electronics (Semester 1/2) • GE 2: Data Engineering and Analytics(Semester 1/2) • GE 3:Digital System Design (Semester 1/2) • GE 4:Data Visualization Techniques (Semester 1/2) 	<ul style="list-style-type: none"> • GE 5: Instrumentation (Semester 3/4/5/6) 27 • GE 6: Electronic Circuits and Interfacing (Semester 3/4/5/6) • GE 7: Fundamentals of 8085 Microprocessor (Semester 3/4/5/6) • GE 8: Microcontroller Systems(Semester 3/4/5/6) • GE 9: Arduino/ Rpi App Development (2:2) (Semester 3/4/5/6) • GE 10: Modelling and Simulation(Semester 3/4/5/6) • GE 11: Mobile Application Development (1:3)(Semester 3/4/5/6) • GE 12:Signals and Systems (Semester 3/4/5/6) • GE 13: Artificial Intelligence and Machine Learning(Semester 3/4/5/6) 	<ul style="list-style-type: none"> • GE 14:Communication Systems (Semester 5/6/7/8) • GE 15: Semiconductor Devices and their applications(Semester 5/6/7/8) • GE 16: Embedded System(Semester 5/6/7/8) • GE 17: Digital System Design using VHDL/Verilog(Semester 5/6/7/8) • GE 18: VLSI: Technology and Design(Semester 5/6/7/8) • GE 19: Digital Signal Processing(Semester 5/6/7/8) • GE 20: Process Control Systems(Semester 5/6/7/8) • GE 21: Internet of Things(Semester 5/6/7/8) • GE 22: Neural Networks(Semester 5/6/7/8) • GE 23: Robotics(Semester 5/6/7/8) • GE 24: Nanoelectronics(Semester 5/6/7/8) 	<p>Following GEs are mandatory papers for minor in Electronicsdiscipline:</p> <p>GE 5: Instrumentation</p> <p>GE 6: Electronic Circuits and Interfacing</p> <p>GE 14: Communication Systems</p>
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Following GEs are **mandatory** papers for minor in Electronics discipline:

GE 5: Instrumentation

GE 6: Electronic Circuits and Interfacing

GE 14: Communication Systems

18	Political Science	200 Level	Ideas in Indian Political Thought	Mandatory GE courses not provided
	14.06.2024	100 Level	Introduction to the Indian Constitution	
		100 Level	Nationalism in India	
		300 Level	Understanding International Relations	
		200 Level	Governance: Issues and Challenges	
		300 Level	Western Political Philosophy	
		200 Level	Politics of Globalisation	
		200 Level	Introduction to Public Policy	
		200 Level	Women and Politics in India: Concepts and Debates	
		300 Level	Digital Social Sciences	
19	Sanskrit	100 Level	Basic Sanskrit	4 GE Mandatory given
	20.05.2024		Basic Principal of Ayurveda	
			Machine Translation: Tools and Techniques	
			Philosophy of Yoga	
		200 Level	Indian Aesthetics	
			Sanskrit Narratologies	
			Tools and Techniques for	

			Computing Sanskrit Language	
			Fundamental of Indian Philosophy	
			Indian Epigraphy and Palaeography	
			Ancient Indian Polity	
			Introduction of Smriti Literature	
			Fundamental of Indian Knowledge System	
			Ancient Indian Medical Science	
			Basics of Hindu Studies	
		300 Level	Indian Legal System	
			Fundamental of Buddhist Philosophy	
			Fundamental of Jain Philosophy	
			Contribution of the Indian Knowledge System	
20	Mathematics	100 Level	GE-1(i): Fundamentals of Calculus* (3L + 1T) or	* Mandatory GE courses to make a discipline as minor in mathematics, select atleast 5 Mandatory GE courses from the first and second category with a total of 7 (5+2 or 6+1) courses from all three

			categories.
	13.06.2024		GE-1(ii): Theory of Equations and Symmetries (3L + 1T)
			GE-2(i): Analytic Geometry (3L + 1T)
			or
			GE-2(ii): Introduction to Linear Algebra*(3L + 1T)
		200 Level	GE-3(i): Differential Equations* (3L + 1T)
			or
			GE-3(ii): Lattices and Number Theory (3L + 1T)
			GE-4(i): Elements of Real Analysis* (3L + 1T) or
			GE-4(ii): Linear Programming (3L + 1T)
			GE-5(i): Numerical Methods (3L + 1P)
			or
			GE-5(ii): Mathematical Python (3L + 1P)
			or

			GE-5(iii): Elementary Mathematical Analysis* (3L + 1T)	
			GE-6(i): Introduction to Mathematical Modeling (3L + 1P)	
			GE-6(ii): Discrete Dynamical Systems (3L + 1P) or	
			GE-6(iii): Abstract Algebra* (3L + 1T)	
			Choose maximum <i>two</i>	
		300 Level	GE-7(i): Applied Algebra (3L + 1T)	
			GE-7(ii): Elements of Metric Spaces* (3L + 1T)	
			GE-7(iii): Introduction to Graph Theory (3L + 1T)	
			GE-7(iv): Topics in Multivariate Calculus* (3L + 1T)	
			Choose maximum <i>two</i>	
			GE-8(i): Coding Theory (3L + 1T)	
			GE-8(ii): Elements of Partial Differential Equations*(3L + 1T)	
			GE-8(iii): Elements of Complex	

			Analysis* (3L + 1T)	
			GE-8(iv): Optimization Techniques (3L + 1T)	
21	Music	Not Given (Level)	An Introduction of Hindustani Music	Neither progression nor mandatory GE provided
	14.06.2024		Performance & Viva -Voce	Not identified
			Basic concepts of Hindustani Music	Therefore, a student must study at least 7 papers of GE music to obtain 28 credits. Since courses and syllabi of only 6 semesters have been made till now.
			Performance & Viva -Voce	
			Study of Hinudstani Music	
			Performance & Viva-Voce	
			Theory of Indian Music, Granthas & Ragas	
			Performance & Viva -Voce	
			Study of Ragas, Talas and Musicology	
			Performance & Viva -Voce	
22	Hindi	Level not given	Semester III GE Bhasha – Vigyan aur Bharat ka Bhashik Pridrashy	5 Mandatory GE given

	13.06.2024		Semester IV Hindi Sahitya ka itihās (ādikāl se madhyakāl tak)	
			Semester V Hindi Sahitya ka itihās (Adhunik kāl)	
			Semester VI Bhārtiya Kāvyaśāstra	
			Semester VII Sahitya Chintan	
23	Physics	100 Level	Mechanics	GE Mandatory not given
	18.06.2024		Mathematical Physics	
			Electricity and Magnetism	
			Thermal Physics	
		200 Level	Waves and Optics	
			Introduction to Electronics	
			Modern Physics	
			Quantum Mechanics	
			Solid State Physics	
			Introductory Astronomy	
			Biological Physics	
			Nuclear and Particle Physics	
			Physics of Detectors	
		300 Level	Numerical Analysis and Computational Physics	

			Applied Dynamics	
			Quantum Information	
			Introduction to Embedded System Design	
			Nano Physics	
			Atomic and Molecular Physics	

24	History	Level not given	<ul style="list-style-type: none"> ➤ Common Pool of GE courses are applicable for both B.A. (Hons.) and B.A Multidisciplinary ➤ In B.A. Multidisciplinary Programme there is no provision for the GE courses till 4th Semester. ➤ GE courses are allowed in 5th & 6th Semester for B.A. Multidisciplinary Programme. ➤ GE courses are allowed from 1st to 6th Semester for B.A. (Hons.) 	<ul style="list-style-type: none"> ➤ For Minor in History apart from any 6 GE Courses chosen from the pool of GE Courses offered by History Department one DSE course of History may be taken up to complete 28 credits necessary for award of Minor in History.
25	Geology 18.06.2024		<p>Response: <u>100 level (1st and 2nd</u> semester) First Category</p> <ol style="list-style-type: none"> 1. Essentials of Geology (1st Sem) 2. Physics & Chemistry of Earth (2nd Sem) 	<p><i>Point 2: Identify those GE courses for the UG programmes which are considered mandatory to be studied if a student wishes to make it a minor discipline.</i></p>

			<p><u>200 level (3rd to 6th Semester)</u> <u>2nd</u> Category 1. Fossils & Applications (3rd Sem) 2. Natural Hazards and Mitigation (4th Sem) 3. Concepts of sustainability (5th Sem) 4. Evolution of life through time <u>300 level (7th and 8th semester) 3rd Category</u> 1. Geoheritage&Geotourism (7th Sem) 2. Groundwater management and water quality (8th Sem)</p>	<p>Response: Courses for the UG programme as minor discipline (Geology) 1. Essentials of Geology 2. Physics & Chemistry of Earth 3. Natural Hazards and Mitigation 4. Concepts of sustainability 5. Evolution of life through time 6. Geoheritage and Geotourism 7. Groundwater management and water quality</p>
26	Urdu 18.06.2024		<p>Urdu GE Courses for the UG programmes In <u>Progression 100 Level</u> (May be offered in I & II semester) 1. Elementary Urdu 2. Study of Poet NazirAkbarabadi 3. Study of Short Story Writer Premchand1 4. Study of Urdu</p>	<p>GE Mandatory courses given</p> <ul style="list-style-type: none"> • Study of Short Story Writer Premchand1 • Study of Urdu Poetry II • Study of Urdu Prose II • <u>Poet Iqbal</u>

			<p>Poetry I 5. Study of Urdu Prose I <u>200 Level (May be offered from III to VI semester)</u> 1. Study of Urdu Poetry II 2. Study of Urdu Prose II 3. Study of Short Story Writer Manto 4. Film and Stage Drama 5. Poet Akbar Allahabadi 6. Short Story writer KrishanChandar 7. Print Media in Urdu 8. Electronic Media in Urdu <u>300 Level (May be offered from V to VIII semester)</u> 1. Study of Development of Urdu 2. Poet Faiz Ahmed Faiz 3. Short Story writer Rajinder Singh Bedi 4. <u>Poet Iqbal 5.</u> Short Story Writer Qurratul Ain Hayder</p>	
27	Commerce	Odd	100 Level	GE 1.1 Business Organisation
	18.06.2024			GE 1.2 Finance for Everyone
				GE 1.3 Marketing for Beginners
				GE 1.4 Accounting for Everyone
				GE 1.5 Computer Applications in Business
				GE 1.6 Bhartiya Gyan Parampara

				GE 1.7 Basic Personal Taxation
			200 Level	GE 3.1 General Management
				GE 3.2 Basics of Advertising
				GE 3.3 Investing in Stock Markets
				GE 3.4 Financial Statement Analysis
				GE 5.1 Fundamentals of Human Resource Management
				GE 5.2 Project Management
				GE 5.3 Digital Marketing
				GE 5.4 Ethics and Governance
		Even semester	100 Level	GE 2.1 Communication in Management
				GE 2.2 Financial Management for Beginners
				GE 2.3 Sales Promotion
				GE 2.4 Computerised Accounting System
			200 Level	GE 4.1 Basics of Organisational Behaviour
				GE 4.2 Personal Financial Planning
				GE 4.3 Brand Management

				GE 4.4 Accounting for Managerial Decision Making
				GE 4.5 Fundamentals of International Business
				GE 6.1 Leadership Development
				GE 6.2 Data Visualisation
				GE 6.3 Logistics Management

Note : The following GE courses would be mandatory for a student who wants to pursue a Minor Degree in Commerce Discipline that can enable her/him to take Master's degree in the Discipline:

- **Business Organisation**
- **Financial Management for Beginners**
- **Financial Statement Analysis**
- **Accounting for Managerial Decision Making**

28	Biomedical Science	100 Level	Landmark Discoveries in Science	GE Mandatory given <i>*To earn a minor degree in Biomedical Science, a student must study seven Generic Elective (GE) papers. These papers must be selected from the pool of mandatory GE papers (3-4) and DSE papers (3-4) as highlighted in red in the tables</i>
	25.06.2024		Pandemic: challenges and Preparedness	
			Understanding the Human Body Systems	
		200 Level	Biochemical Basis of Life	
			Concepts in Medicinal Chemistry (Proposed)	
			Environment Sustainability and Biomedical Waste Management (Added from DSE)	
			Genetic Basis of Human Diseases (Title reframed)	
			Health and Body Defense System	
			Statistical Concepts in Biology	
			Practices in Biosafety (Added from DSE)	
		300 Level	Bridging Ancient Practices and Modern Biomedical Research (Added from DSE)	
			Concepts in Biotechnology	

			Pathological Basis of Disease	
			Pharmacological Science (Title reframed)	
			Toxic Substances and Human Health	

29 : Germanic & Romance Studies

Received on 27.06.2024

GE courses under the Department of Germanic & Romance Studies

GE Papers in Portuguese

The GE courses proposed by the Department of Germanic and Romance Studies are not stand-alone. They must be done in progression according to the order specified in the following table. Since most of these courses are language courses, students have to attain a particular level to do the next level course. The courses are of 4 credits (Consisting of 4 Lectures and 1 Tutorial/week) each and a student completing 28 credits opting for 7 of the same language course can obtain a minor in the given language. The progression of courses is given below and the first four marked **with an asterisk may be**

considered mandatory:

<u>100 LEVEL</u>	GE1-BasicCommunicativePortuguese1*
<u>100 LEVEL</u>	GE2-BasicCommunicativePortuguese2*
<u>200 LEVEL</u>	GE3-IntermediateCommunicativePortuguese(1)*
200 LEVEL	GE4-IntermediateCommunicativePortuguese(2)*
300 LEVEL	GE5-AdvancedCommunicativePortuguese(1)
300 LEVEL	GE6-AdvancedCommunicativePortuguese(2)
300 LEVEL	GE7 - StudyingPortuguesethrough Texts (1)
300 LEVEL	GE8 - StudyingPortuguesethrough Texts (2)
400 LEVEL	GE9- BasicTranslationSkillsinPortuguese
400 LEVEL	GE10 - HistoryofPortugalandtheLusophoneWorld
400 LEVEL	GE11-IntroductiontoLifeinPortugalandPortuguese-speaking Countries
<u>400 LEVEL</u>	GE12-Reading LiteratureinPortuguese

GE Papers in German

The GE courses proposed by the Department of Germanic and Romance Studies are not stand-alone. They must be done in progression according to the order specified in the following table. Since most of these courses are language courses, students have to attain a particular level to do the next level course. The courses are of 4 credits (Consisting of 4 Lectures and 1 Tutorial/week) each and a student completing 28 credits opting for 7 of the same language course can obtain a minor in the given language. The progression of courses is given below and the first four marked **with an asterisk may be considered mandatory**:

100 LEVEL GE 1: Basic Communicative German 1*

100 LEVEL GE 2: Basic Communicative German 2*

200 LEVEL GE 3: Intermediate Communicative German (1)*

200 LEVEL GE 4: Intermediate Communicative German (2)*

300 LEVEL GE 5: Advanced Communicative German (1)

300 LEVEL GE 6: Advanced Communicative German (2)

300 LEVEL GE 7: Studying German through Texts (1)

300 LEVEL GE 8: Studying German through Texts (2)

400 LEVEL GE 9: Basic Translation Skills in German

400 LEVEL GE 10: History of Germany and the German-speaking World

400 LEVEL GE 11: Introduction to Life in Germany and German-speaking

400 LEVEL GE 12: Reading Literature in German

GE Papers in French

The GE courses proposed by the Department of Germanic and Romance Studies are not stand-alone. They must be done in progression according to the order specified in the following table. Since most of these courses are language courses, students have to attain a particular level to do the next level course. The courses are of 4 credits (Consisting of 4 Lectures and 1 Tutorial/week) each and a student completing 28 credits opting for 7 of the same language course can obtain a minor in the given language. The progression of courses is given below and the first four marked **with an asterisk may be considered mandatory**:

100 LEVEL	GE1-Basic Communicative French 1*
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100 LEVEL	GE2-BasicCommunicativeFrench 2*
200 LEVEL	GE3-IntermediateCommunicativeFrench(1)*
200 LEVEL	GE4-IntermediateCommunicativeFrench(2)*
300 LEVEL	GE5-AdvancedCommunicativeFrench(1)
300 LEVEL	GE6-AdvancedCommunicativeFrench(2)
300 LEVEL	GE7 -Studying Frenchthrough Texts (1)
300 LEVEL	GE8 -Studying Frenchthrough Texts (2)
400 LEVEL	GE9- BasicTranslationSkillsinFrench
400 LEVEL	GE10- HistoryofFranceandtheFrancophoneWorld
400 LEVEL	GE11-IntroductiontoLifeinFranceandFrench-speaking Countries
400 LEVEL	GE12- ReadingLiteratureinFrench

100 LEVEL	GE1:BasicCommunicativeSpanish1*
100 LEVEL	GE2:BasicCommunicativeSpanish2*
200 LEVEL	GE3:IntermediateCommunicativeSpanish(1)*
200 LEVEL	GE4:IntermediateCommunicativeSpanish(2)*
300 LEVEL	GE5:AdvancedCommunicativeSpanish(1)
300 LEVEL	GE6:AdvancedCommunicativeSpanish(2)
300 LEVEL	GE7: StudyingSpanishthrough Texts (1)

GEPapersinSpanish

The GE courses proposed by the Department of Germanic and Romance Studies are not stand- alone. They must be done in progression according to the order specified in the following table. Since most of these courses are language courses, students have to attain a particular level to do thenextlevelcourse.Thecoursesareof4credits(Consistingof4Lecturesand1Tutorial/week) each and a student completing 28 credits opting for 7 of the same language course can obtain a minorinthegivenlanguage.Theprogressionofcoursesisgivenbelowandthefirstfourmarked **with an asterisk may be considered mandatory:**

300 LEVEL	GE8: Studying Spanish through Texts (2)
400 LEVEL	GE9: Basic Translation Skills in Spanish
400 LEVEL	GE10: History of Spain and the Spanish-speaking World
400 LEVEL	GE11: Introduction to Life in Spain and Spanish-speaking Countries
400 LEVEL	GE12: Reading Literature in Spanish

GE Papers in Italian

The GE courses proposed by the Department of Germanic and Romance Studies are not stand-alone. They must be done in progression according to the order specified in the following table. Since most of these courses are language courses, students have to attain a particular level to do the next level course. The courses are of 4 credits (Consisting of 4 Lectures and 1 Tutorial/week) each and a student completing 28 credits opting for 7 of the same language course can obtain a minor in the given language. The progression of courses is given below and the first four marked with an asterisk may be considered mandatory:

100 LEVEL	GE1: Basic Communicative Italian 1*
100 LEVEL	GE2: Basic Communicative Italian 2*
200 LEVEL	GE3: Intermediate Communicative Italian (1)*
200 LEVEL	GE4: Intermediate Communicative Italian (2)*
300 LEVEL	GE5: Advanced Communicative Italian (1)
300 LEVEL	GE6: Advanced Communicative Italian (2)
300 LEVEL	GE7: Studying Italian through Texts (1)
300 LEVEL	GE8: Studying Italian through Texts (2)

400 LEVEL	GE9:BasicTranslationSkillsinItalian
400 LEVEL	GE10:HistoryofItalyandtheItalian-speaking World
400 LEVEL	GE11:IntroductiontoLifeinItalyandItalian-speaking Countries
400 LEVEL	GE12:ReadingLiteratureinItalian

30. Social Work (received on 03.07.2024)	<i>Level not given</i>	GE Mandatory not given	
31. Operational Research (Received on 31.01.2024)	<i>Level not given</i>	<p>The Department is offering one GE paper in each semester The GEs which are considered mandatory to make it a minor discipline in B.Sc. (Hons.) Operational Research are:</p> <ul style="list-style-type: none"> i. Introduction to Operational Research and Linear Programming ii. Production and Inventory Management iii. Queueing and Reliability Theory iv. Convex and Discrete Optimization v. Scheduling Techniques vi. Quantitative Modelling in Marketing vii. GE offered in Semester VII or Semester VIII (Syllabi of Sem. VII and Sem. VIII yet to be approved) 	

32 English (received on 20.02.2024)		<p><u>ODD Semester GE Courses:</u></p> <ul style="list-style-type: none"> • Indian English Literatures • Literature & Human Rights • Genre Fiction • Language and Culture • Readings on Indian Diversities and Literary Movements • Dystopian Writings • Research Methodology (Semester 6th& 7th) <p><u>Even Semester GE Courses</u></p> <ul style="list-style-type: none"> • Research Methodology (Semester 6th& 7th) • Culture & Theory • Contemporary India: Women and Empowerment • The Individual and Society • Cinematic Adaptations of Literary Texts • Marginalities in Indian Writing 	<p>As per UGCF, in order to opt for a subject as 'Minor', a student is required to complete 7 GE courses of the Subjects. In order to opt for English as Minor, student would be required to complete 7 GE courses, that is two grade courses, three 200 grade courses and two 300 grade courses, including the 4 mandatory GE courses given below.</p> <p>The 4 Mandatory GE course to be completed by a student wishing to undertake English</p>
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		<ul style="list-style-type: none"> • Travel Writings • Twentieth Century Drama • Indian Classical Literature • Life and Literature • Indian English Literatures • Culture and Theory <p><u>The 100 Grade GE courses are:</u></p> <ul style="list-style-type: none"> • Indian English Literatures • Indian Classical Literature • Literature & Human Rights • Life and Literature <p><u>The 200 Grade GE courses are:</u></p> <ul style="list-style-type: none"> • Genre Fiction • Cinematic Adaptations of Literary Texts • Marginalities in Indian Writing • Dystopian Writings • Travel Writings • Twentieth Century Drama <p><u>The 300 Grade GE Courses are:</u></p>	<p>as Minor</p> <ul style="list-style-type: none"> • Genre Fiction • Indian Classical Literature • Indian English Literature • Culture & Theory
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		<ul style="list-style-type: none"> • Research Methodology & • Language and Culture • Culture & Theory • Readings on Indian Diversities and Literary Movements • Contemporary India: Women and Empowerment • The Individual and Society 	
33 Biochemistry (received on 20.02.2024)	<p>100 Level</p> <p>200/ 300 Level</p> <p>400 level</p>	<ul style="list-style-type: none"> • Public Health Biology • Nutrition and Food Science • Physiology of Sports and Exercise • Molecules of Life • Techniques in Biochemistry • Basics of Cell Biology • Protein and Enzymes • Intermediary Metabolism • Gene Organization, Expression and Regulation • Tools of Genetics Engineering • Basics of Immunology • Biochemical Correlation of Diseases 	<p>The 4 Mandatory GE course to be completed by a student wishing to undertake Bio-Chemistry as Minor</p> <ul style="list-style-type: none"> • Molecules of Life • Basics of Cell Biology • Gene Organization, Expression and Regulation

			<ul style="list-style-type: none">• Basics of Immunology
34Chemistry (received on 06.05.2024)		Mandatory GE courses which the student can opt during Undergraduate Programme as follows: 1. GE 1 : Atomic Structure (100) 2. GE 4 : Basic concepts of Organic Chemistry (100) 3. GE 7: States of Matter (200) OR 4. GE 8 : Chemical Kinetics and Photochemistry (200)	

