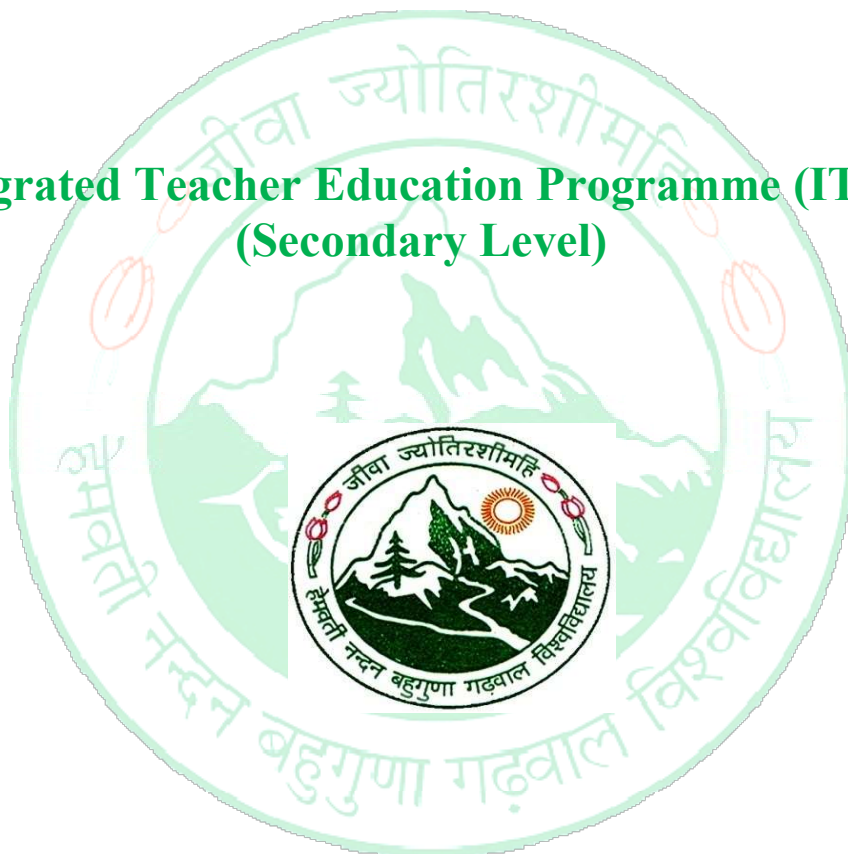


DEPARTMENT OF EDUCATION

Syllabus

For

Integrated Teacher Education Programme (ITEP) (Secondary Level)



**Hemvati Nandan Bahuguna Garhwal (Central) University
Srinagar, Uttarakhand**

2024

Integrated Teacher Education Programme (ITEP)

Course-wise Detail

Sub/Sem	I	II	III	IV	V	VI	VII	VIII
Education								
Foundation	EFC-101 Evolution of Indian Education (Cr-4)		EFC-301 Child Development and Educational Psychology (Cr-4)	EFC-401 Philosophical and Sociological Perspectives of Education-I (Cr-4)	1. EFC-501 Inclusive Education (Cr-2)	1. EFC-601 Assessment and Evaluation (Cr-2) 2. EFC-602 Curriculum Planning and Dev. (Cr-2)	1. EFC-701 Education Policy Analysis (Cr-2)	1. EFC-801 Philosophical and Sociological Perspectives of Education II (Cr-4) 2. EFC-802 Perspectives on School Leadership and Management (Cr-2) 3. EFC-803 One Elective (Cr4)
Stage Specific (B.Sc. B.Ed.)			ESSCCPC-302 Stage-Specific Content -cum- Pedagogy Courses (Cr-4) Basics of Pedagogy at Secondary Stage (Cr-4)	ESSCCPC-402 Stage-Specific Content -cum- Pedagogy Courses (Cr-4) (Any Two) A. Content cum Pedagogy of Mathematics at Secondary Stage – Course (I) (Cr-2) B. Content cum Pedagogy of Physics at Secondary Stage - Course (I) (Cr-2) C. Content cum Pedagogy of Chemistry at	ESSCCPC-502 Stage-Specific Content -cum- Pedagogy Courses (Cr-4) (Any Two) A. Content cum Pedagogy of Mathematics at Secondary Stage – Course (II) (Cr-2) B. Content cum Pedagogy of Physics at Secondary Stage - Course (II) (Cr-2) C. Content cum Pedagogy of Chemistry at	ESSCCPC-603 Stage-Specific Content -cum- Pedagogy Courses (Cr-4) (Any Two) A. Content cum Pedagogy of Mathematics at Sec. Stage – Course (III) (Cr-2) B. Content cum Pedagogy of Physics at Secondary Stage - Course (III) (Cr-2) C. Content cum Pedagogy of Chemistry at	2.	4.

				Secondary Stage - Course (I) (Cr-2) D. Content cum Pedagogy of Zoology at Secondary Stage - Course (I) (Cr-2) E. Content cum Pedagogy of Botany at Secondary Stage - Course (I) (Cr-2)	Secondary Stage - Course (II) (Cr-2) D. Content cum Pedagogy of Zoology at Secondary Stage - Course (II) (Cr-2) E. Content cum Pedagogy of Botany at Secondary Stage - Course (II) (Cr-2)	Secondary Stage - Course (III) (Cr-2) D. Content cum Pedagogy of Zoology at Sec. Stage - Course (III) (Cr-2) E. Content cum Pedagogy of Botany at Secondary Stage - Course (III) (Cr-2)		
Stage Specific (B.A. B.Ed.)			ESSCCPC-302 Stage-Specific Content -cum- Pedagogy Courses Basics of Pedagogy at Secondary Stage (Cr-4)	ESSCCPC-402 Stage-Specific Content -cum- Pedagogy Courses (Any Two) F. Content cum Pedagogy of History at Sec. Stage - Course (I) (Cr-2) G. Content cum Pedagogy of Pol. Sci. at Sec. Stage - Course (I) (Cr-2) H. Content cum Pedagogy of Geography at Sec. Stage - Course (I) (Cr-2) I. Content cum Pedagogy of Sociology at Secondary Stage - Course (I) (Cr-2) J. Content cum Pedagogy of Economics at	ESSCCPC-502 Stage-Specific Content -cum- Pedagogy Courses (Cr-4) (Any Two) F. Content cum Pedagogy of History at Sec. Stage - Course (II) (Cr-2) G. Content cum Pedagogy of Pol. Sci. at Sec. Stage - Course (II) (Cr-2) H. Content cum Pedagogy of Geography at Sec. Stage - Course (II) (Cr-2) I. Content cum Pedagogy of Sociology at Secondary Stage - Course (II) (Cr-2) J. Content cum Pedagogy of Economics at	ESSCCPC-603 Stage-Specific Content -cum- Pedagogy Courses (Cr-4) (Any Two) F. Content cum Pedagogy of History at Secondary Stage - Course (III) (Cr-2) G. Content cum Pedagogy of Pol. Sci. at Sec. Stage - Course (III) (Cr-2) H. Content cum Pedagogy of Geography at Sec. Stage - Course (III) (Cr-2) I. Content cum Pedagogy of Sociology at Secondary Stage - Course (III) (Cr-2) J. Content cum Pedagogy of Economics at		

				Secondary Stage - Course (I) (Cr-2) K. Content cum Pedagogy of Art at Secondary Stage - Course (I) (Cr-2) L. Content cum Pedagogy of Hindi at Secondary Stage - Course (I) (Cr-2) M. Content cum Pedagogy of English at Secondary Stage - Course (I) (Cr-2) N. Content cum Pedagogy of Sanskrit at Sec. Stage - Course (I) (Cr-2)	Secondary Stage - Course (II) (Cr-2) K. Content cum Pedagogy of Art at Secondary Stage - Course (II) (Cr-2) L. Content cum Pedagogy of Hindi at Secondary Stage - Course (II) (Cr-2) M. Content cum Pedagogy of English at Secondary Stage - Course (II) (Cr-2) N. Content cum Pedagogy of Sanskrit at Secondary Stage - Course (II) (Cr-2)	Secondary Stage - Course (III) (Cr-2) K. Content cum Pedagogy of Art at Sec. Stage - Course (III) (Cr-2) L. Content cum Pedagogy of Hindi at Sec. Stage - Course (III) (Cr-2) M. Content cum Pedagogy of English at Secondary Stage - Course (III) (Cr-2) N. Content cum Pedagogy of Sanskrit at Sec. Stage - Course (III) (Cr-2)		
Stage Specific (B.Com. B.Ed.)			ESSCCPC-302 Stage-Specific Content -cum- Pedagogy Courses (Cr-4) Basics of Pedagogy at Secondary Stage (Cr-4)	ESSCCPC-402 Stage-Specific Content -cum- Pedagogy Courses (Cr-4) O. Content cum Pedagogy of Business Studies at Secondary Stage - Course (I) (Cr-2) P. Content cum Pedagogy of Accountancy at Secondary Stage - Course (I) (Cr-2)	ESSCCPC-502 Stage-Specific Content -cum- Pedagogy Courses (Cr-4) O. Content cum Pedagogy of Business Studies at Secondary Stage - Course (II) (Cr-2) P. Content cum Pedagogy of Accountancy at Secondary Stage - Course (II) (Cr-2)	ESSCCPC-603 Stage-Specific Content -cum- Pedagogy Courses (Cr-4) O. Content cum Pedagogy of Business Studies at Secondary Stage - Course (III) (Cr-2) P. Content cum Pedagogy of Accountancy at Secondary Stage - Course (III) (Cr-2)		
Ability Enhancement & Value-Added Courses	1. EAEVAC-102 Language-I (as per the 8 th schedule of the Constitution of India) (Cr-4) 2. EAEVAC-103	1. EAEVAC-201 Language-II (Other than Language-I) (Cr-4) 2. EAEVAC-202		1. EAEVAC-403 Citizenship Education, Sustainability and Environment Education	1. EAEVAC-503 ICT in Education (Cr-2)	1. EAEVAC-604 Mathematical & Quantitative Reasoning (Cr-2)	1. EAEVAC-702 Sports, Nutrition and Fitness (Cr-2)	1. EAEVAC-804 Yoga & Understanding Self (Cr-2) 2. EAEVAC-805

	Art Education (Visual) (Cr-2) 3. EAEVAC-104 Understanding India (India Ethos and Knowledge System) (Cr-2) 4. EAEVAC-105 Understanding and Connecting with the Environment (Cr-2)	Understanding India (India Ethos and Knowledge System) (Cr-2) 3. EAEVAC-203 Teacher and Society (Cr-2)		(Cr-2)				Art Education (Visual) (Cr-2)
School Exp					ESEC-504 Pre-internship Practice (Cr-2)	1. ESEC-605 School Observation (Cr-2) 2. ESEC-606 Creating Teaching Learning Material (Cr-2)	1. ESEC-703 School-Based Research Project (Cr-2) 2. ESEC-704 Internship in Teaching (Cr-10)	1. ESEC-806 Post Internship (Cr-2)
Comm Engagement					ECESC-505 Community Engagement and Services (Cr-2)			
Disciplinary (B.A. B.Ed.)								
Core 1 (Major)	DCMJ-1 (Cr-6)	DCMJ-2 (Cr-6)	DCMJ-3 (Cr-6)	DCMJ-4 (Cr-6)	DCMJ-5 (Cr6)	DCMJ-6 (Cr-6)		
Political Science	DCPOL-101 Introduction to Political Theory (CR=6)	DCPOL-201 Political Science (Indian Government and Politics) (CR=6)	DCPOL-301 Comparative Government and Politics (CR=6)	DCPOL-401 Introduction to International Relations (CR=6)	DCPOL-501 Introduction to Western Political Thought or Global Politics or Introduction to Public Admin (CR=6)	DCPOL-601 Introduction to Indian Political Thought or Introduction to Indian Foreign Policy or Introduction to Public Policy (CR=6)		

Political Science (Skill)	DCPOL(SEC)-102 Legal Literacy-I or Dynamics of Public Opinion-I (CR=2)	DCPOL(SEC)-202 Legal Literacy-II or Dynamics of Public Opinion-II (CR=2)						
History	DCHIS-101 History of India (from Earliest Times up to 300CE) (CR=6)	DCPOL(SEC)-202 History (History of India from C.300 to 1200 CE) (CR=6)	DCHIS-301 History of India from 1200 to 1707 CE. (CR=6)	DCHIS-401 History of India (from 1707 - 19050) (CR=6)	DCHIS-501 European History (from 1780 - 1939) (CR=6)	DCHIS-601 Nationalism and Idea of Freedom in 20th Century World (CR=6)		
History (Skill)	DCHIS(SEC)-102 An Introduction to Archaeology (CR=2)	DCHIS(SEC)-202 Historical Tourism (CR=2)						
Geography	DCGEO-101 Physical Geography (CR=4)	DCGEO-201 Geography (Human Geography) (CR=4)	DCGEO-301 Geography of India (CR=4)	DCGEO-401 Geographical Thought (CR=4)	DCGEO-501 Economic Geography (CR=4)	DCGEO-601 Environmental Geography (CR=4)		
	DCGEO-101(P) Physical Geography (Practical) (CR=1)	DCGEO-201 (P) Geography-Practical (CR=2)	DCGEO-301 Statistical Methods in Geography (P) (CR=2)	DCGEO-401 (P) Graphic Representation of DATA and Geological Maps (CR=2)	DCGEO-501(P) Practical Geography V (Field Visit, Survey methods and Report Writing (CR=2)	DCGEO-601(P) Practical Geography VI (Field Surveying Techniques (CR=2)		
Geography (Skill)	DCGEO(SEC)-102 Regional Development and Planning with Special Reference to Uttarakhand (2024-25) (CR=2)	DCGEO(SEC)-202 Geographical Field Mapping and Statistical Training with Software (2024-25) (CR=2)						
Economics	DCECO-101 Principles of Microeconomics I (CR=6)	DCECO-201 Economics (Principles of Microeconomics - II) (CR=6)	DCECO-301 Principles of Macroeconomics Economics-I (CR=6)	DCECO-401 Principal of Macro Economics II (CR=6)	DCECO-501 Economic Development and Policy in India-I or Money & Banking or Environmental Economics (CR=6)	DCECO-601 Economic Development and Policy in India-II or Uttarakhand Economy or Public Finance (CR=6)		

Economics (Skill)	DCECO(SEC)-102 Entrepreneurship and Start-up-I (CR=2)	DCECO(SEC)-202 Entrepreneurship and Start-up-II or Survey Methods and Data Analysis-II (CR=2)						
Sociology	DCSOC-101 Basic Sociological Concept (CR=6)	DCSOC-201 Indian Society (CR=6)	DCSOC-301 Sociological Thoughts (CR=6)	DCSOC-401 Social Change in India (CR=6)	DCSOC-501 Social Research or Indian Sociological Thinkers (CR=6)	DCSOC-601 Social Problems or Society through the Visuals (CR=6)		
Sociology (Skill)	DCSOC(SEC)-102 Basic Concepts of Social Research (CR=2)	DCSOC(SEC)-202 Methods and Techniques of Social Research (CR=2)						
Drawing & Painting	DCDRA-101 Fundamentals of Visual Art. (CR=2)	DCDRA-201 Drawing Painting (Methods and Materials of Painting) (CR=2)	DCDRA-301 History of Indian Art-Part-1(Pre Historic art to Bengal Renaissance Period) (CR=4)	DCDRA-401 History of Indian Art – Part - 2 (Modern and Contemporary Indian Painting) (CR=2)	DCDRA-501 Brief History of European Painting-1 or Element of Technical Drawing -1 or Graphic Design (CR=2)	DCDRA-601 Brief History of European Painting-2 or Element of Technical Drawing - 2 or Brief History of Print making (Cr-2)		
	DCDRA-101(P) Free Hand Drawing (Practical) (CR=4)	DCDRA-201(P) Drawing Painting (Still Life (Drawing) - Practical) (CR=4)	DCDRA-301(P) Rendering (Practical) (CR=2)	DCDRA-401 (P) Head Study Drawing (CR=4)	DCDRA-501(P) Creative Composition or Tie and Die or Photography (CR=4)	DCDRA-601(P) Thematic Composition or Letter Writing or Screen Painting (CR=4)		
Drawing & Painting (Skill)	DCDRA(SEC)-102(P) Line Drawing-Part-A (Practical) (CR=2)	DCDRA(SEC)-202 Line Drawing- Part B (CR=2)						
Hindi	DCHIN-101 प्राचीन एवं मध्यकालीन काव्य (CR=6)	DCHIN-201 आधुनिक गद्य (CR=6)	DCHIN-301 अवार्चन हिंदी काव्य (CR=6)	DCHIN-401 हिंदी साहित्य का संक्षिप्त इतिहास (CR6)	DCHIN-501 गढ़वाली लोक साहित्य एवं संस्कृति अथवा हिंदी काव्यधारा में हिमालय (CR=6)	DCHIN-601 आधुनिक भारतीय साहित्य अथवा हिंदी का राष्ट्रीय काव्य (CR=6)		

Hindi (Skill)	DCHIN(SEC)-102 भाषा शिक्षण कौशल अथवा भाषा कम्प्यूटिंग (CR=2)	DCHIN(SEC)-202 कार्यालयी हिंदी अथवा प्रयोजनमूलक हिंदी (CR=2)						
English	DCENG-101 Prose (CR=6)	DCENG-201 English (Drama) (CR=6)	DCENG-301 Poetry (CR=6)	DCENG-401 Fiction and Short Stories (CR=6)	DCENG-501 History of English Literature Part I or Literary Moments 1 or Twentieth Century British Poetry & Drama (CR=6)	DCENG-601 History of Language Literature Part II or Literary Moments Part II or Twentieth Century American Poetry & Drama (CR=6)		
English (Skill)	DCENG(SEC)-102 Academic Writing (CR=2)	DCENG(SEC)-202 Studying Theatre (CR=2)						
Sanskrit	DCSAN-101 नीतिकाव्य व्याकरण एवं अनुवाद (CR=6)	DCSAN-201 नाटक अलंकार एवं छंद (CR=6)	DCSAN-301 गद्य पद्य एवं व्याकरण (CR=6)	DCSAN-401 संस्कृत साहित्य का इतिहास, संस्कृति एवं निबन्ध (CR=6)	DCSAN-501 वेद एवं उपनिषद् अथवा समास एवं छंदशास्त्र (CR=6)	DCSAN-601 काव्य दर्शन एवं व्याकरण अथवा संस्कृत पत्रकारिता (CR=6)		
Sanskrit (Skill)	DCSAN(SEC)-102 आयुर्वेद सामान्य परिचय (CR=2)	DCSAN(SEC)-202 भारतीय वास्तुकला प्रणाली (CR=2)						
Core 2 (Minor)		DCMN-1 (6)	DCMN-2 (6)	DCMN-3 (6)				
Political Science		DCPOL-201 Political Science (Indian Government and Politics) (CR=6)	DCPOL-301 Comparative Government and Politics (CR=6)	DCPOL-401 Introduction to International Relations (CR=6)				
History		DCPOL(SEC)-202 History (History of India from C.300 to 1200 CE) (CR=6)	DCHIS-301 History of India from 1200 to 1707 CE. (CR=6)	DCHIS-401 History of India (from 1707 - 19050) (CR=6)				

Geography		DCGEO-201 Geography (Human Geography) (CR=4) DCGEO-201 (P) Geography- Practical (CR=2)	DCGEO-301 Geography of India (CR=4) DCGEO-301 Geography of India (P) (CR=2)	DCGEO-401 Geographical Thought (CR=4) DCGEO-401 (P) Geographical Thought (CR=2)				
Economics		DCECO-201 Economics (Principles of Microeconomics - II) (CR=6)	DCECO-301 Principles of Macroeconomics-I (CR=6)	DCECO-401 Principal of Macro Economics II (CR=6)				
Sociology		DCSOC-201 Indian Society (CR=6)	DCSOC-301 Sociological Thoughts (CR=6)	DCSOC-401 Social Change in India (CR=6)				
Drawing & Painting		DCDRA-201 Drawing Painting (Methods and Materials of Painting) (CR=2) DCDRA-201(P) Drawing Painting (Still Life (Drawing) - Practical) (CR=4)	DCDRA-301 History of Indian Art-Part-1 (Prehistoric art to Bengal Renaissance Period) (CR=4) DCDRA-301(P) Rendering (Practical) (CR=2)	DCDRA- 401 History of Indian Art – Part - 2 (Modern and Contemporary Indian Painting) (CR=2) DCDRA-401 (P) Head Study Drawing (CR=4)				
Hindi		DCHIN-201 आधुनिक गद्य (CR=6)	DCHIN-301 अवार्चन हिंदी काव्य (CR=6)	DCHIN-401 हिंदी साहित्य का संक्षिप्त इतिहास(CR6)				
English		DCENG-201 English (Drama) (CR=6)	DCENG-301 Poetry (CR=6)	DCENG-401 Fiction and Short Stories (CR=6)				
Sanskrit		DCSAN-201 नाटक अलंकार एवं छंद (CR=6)	DCSAN-301 गद्य पद्य एवं व्याकरण (CR=6)	DCSAN-401 संस्कृत साहित्य का इतिहास, संस्कृति एवं निबन्ध (CR=6)				

Disciplinary B.Sc. B.Ed.

Core 1 (Major)	DCMJ-1 (Cr-6)	DCMJ-2 (Cr-6)	DCMJ-3 (Cr-6)	DCMJ-4 (Cr-6)	DCMJ-5 (Cr6)	DCMJ-6 (Cr-6)		
Botany	DCBOT-101 Diversity of Lower Plants (Theory and Practical) (Cr-6)	DCBOT-201 Microbiology And Plant Pathology (Cr-6)	DCBOT-301 Plant Physiology and Biochemistry (Theory and Practical) (Cr-6)	DCBOT-401 Plant Taxonomy and Plant Embryology (Theory and Practical) (Cr-6)	DCBOT-501 DSE 1- Biotechnology and Genetic Engineering Theory (Cr-4) and Practical (Cr-2)			
Botany Skill	DCBOT-102 Mushroom Cultivation Technology (Cr-2)	DCBOT-202 Floriculture (Cr-2)						
Zoology	DCZOO-101 Animal Diversity-I Theory (Cr-4) and Practical (Cr-2)	DCZOO-201 Animal Diversity-II Theory (Cr-4) and Practical (Cr-2)	DCZOO-301 Elementary Cell Biology & Molecular Biology Theory (Cr-4) and Practical (Cr-2)	DCZOO-401 Physiology and Elementary Biochemistry Theory (Cr-4) and Practical (Cr-2)	DCZOO-501 DSE (Anyone) DSE-1. Applied Zoology DSE-2. Wildlife Conservation & Management DSE-3. Principles of Genetics & Evolutionary Biology DSE-4. Animal Behaviour & Endocrinology DSE-5. Introduction to Developmental Biology DSE-6. Basics of Biotechnology Theory (Cr-4) and Practical (Cr-2)	DCZOO-601 DSE (Anyone) DSE-1. Applied Zoology DSE-2. Wildlife Conservation & Management DSE-3. Principles of Genetics & Evolutionary Biology DSE-4. Animal Behaviour & Endocrinology DSE-5. Introduction to Developmental Biology DSE-6. Basics of Biotechnology Theory (Cr-4) and Practical (Cr-2)		
Zoology Skill Students will elect one	DCZOO-102	DCZOO-202						

course each in the I & II Semesters	SZ-1. Laboratory Techniques in Biology SZ-2. Basic Instrumentation SZ-3. Public Health and Hygiene SZ-4. Aquarium Fish Keeping SZ-5. Medical Diagnostics SZ-6. Bioinformatics	SZ-1. Laboratory Techniques in Biology SZ-2. Basic Instrumentation SZ-3. Public Health and Hygiene SZ-4. Aquarium Fish Keeping SZ-5. Medical Diagnostics SZ-6. Bioinformatics						
Physics	DCPHY-101 Mechanics and Properties of Matter Theory (Cr-4) and Practical (Cr-2)	DCPHY-201 Electricity and Magnetism Theory (Cr-4) and Practical (Cr-2)	DCPHY-301 Heat and Thermodynamics Theory (Cr-4) and Practical (Cr-2)	DCPHY-401 Waves and Optics Theory (Cr-4) and Practical (Cr-2)	DCPHY-501 Modern Physics Theory (Cr-4) and Practical (Cr-2)	DCPHY-601 Quantum Mechanics Theory (Cr-4) and Practical (Cr-2)		
Physics Skill	DCPHY-102 Basic Electronics (Cr-2)	DCPHY-202 Waves and Oscillations (Cr-2)						
Chemistry	DCCHE-101 Inorganic Chemistry -I Organic Chemistry- I Theory (Cr-4) and Practical (Cr-2)	DCCHE-201 Physical Chemistry- I Organic Chemistry-II Theory (Cr-4) and Practical (Cr-2)	DCCHE-301 Physical Chemistry-II Organic Chemistry - III Theory (Cr-4) and Practical (Cr-2)	DCCHE-401 Inorganic Chemistry- II Physical Chemistry- III Theory (Cr-4) and Practical (Cr-2)	DCCHE-501 Students can opt for any one 1. Analytical Methods in Chemistry 2. Polymer Chemistry 3. Green Chemistry Theory (Cr-4) and Practical (Cr-2)	DCCHE-601 Students can opt for any one 1. Instrumental Methods of Chemical Analysis 2. Organometallics, Bio-inorganic, Polynuclear Hydrocarbon, UV and IR Spectroscopy 3. Molecules of Life Theory (Cr-4) and Practical (Cr-2)		
Chemistry Skill	DCCHE-102 Basic Analytical Chemistry I OR	DCCHE-202 Basic Analytical Chemistry II or						

	Green Methods in Chemistry (Cr-2)	Pesticidal Chemistry (Cr-2)						
Mathematics	DCM-101 Differential Calculus Theory-6 Cr	DCM-201 Differential Equations Theory-6 Cr	DCM-301 Real Analysis Theory- 5Cr and Tutorial-1Cr	DCM-401 Abstract Algebra Theory- 5Cr and Tutorial-1Cr	DCM-501 Linear Algebra Theory-6 Cr	DCM-601 Complex Analysis Theory-6 Cr		
Mathematics Skill	DCM-102 Integral Calculus (Cr-2)	DCM-202 Vector calculus (Cr-2)						
Core 2 (Minor)		DCMN-1 (6)	DCMN-2 (6)	DCMN-3 (6)				
Botany		DCBOT-201 Microbiology And Plant Pathology (Cr-6)	DCBOT-301 Plant Physiology and Biochemistry (Theory and Practical) (Cr-6)	DCBOT-401 Plant Taxonomy and Plant Embryology (Theory and Practical) (Cr-6)				
Zoology		DCZOO-201 Animal Diversity- II Theory (Cr-4) and Practical (Cr-2)	DCZOO-301 Elementary Cell Biology & Molecular Biology Theory (Cr-4) and Practical (Cr-2)	DCZOO-401 Physiology and Elementary Biochemistry Theory (Cr-4) and Practical (Cr-2)				
Physics		DCPHY-201 Electricity and Magnetism Theory (Cr-4) and Practical (Cr-2)	DCPHY-301 Heat and Thermodynamics Theory (Cr-4) and Practical (Cr-2)	DCPHY-401 Waves and Optics Theory (Cr-4) and Practical (Cr-2)				
Chemistry		DCCHE-201 Physical Chemistry- I Organic Chemistry-II Theory (Cr-4) and Practical (Cr-2)	DCCHE-301 Physical Chemistry-II Organic Chemistry - III Theory (Cr-4) and Practical (Cr-2)	DCCHE-401 Inorganic Chemistry- II Physical Chemistry- III Theory (Cr-4) and Practical (Cr-2)				
Mathematics		DCM-201 Differential Equations Theory-6 Cr	DCM-301 Real Analysis Theory- 5Cr and Tutorial-1Cr	DCM-401 Abstract Algebra Theory- 5Cr and Tutorial-1Cr				

Disciplinary B.Com. B.Ed.

Core 1 (Major)	DCMJ-1(Cr-6)	DCMJ-2 (Cr-6)	DCMJ-3 (Cr6)	DCMJ-4 (Cr-6)	DCMJ-5 (Cr6)	DCMJ-6 (Cr-6)		
	Principles of Management (CR-6)	Business Regulatory Framework (Cr-6)	Income Tax Law and Practice (Cr-6)	Corporate Accounting (Cr-6)	Management Accounting (Cr6)	Goods and Services Tax (Cr-6)		
Skill	Personal Finance and Planning (Cr-2)	Office Management and Secretarial Practice (Cr-2)						
Core 2 (Minor)		DCMN-1 (6)	DCMN-2 (6)	DCMN-3 (6)				
		Advanced Financial Accounting (Cr-6)	Cost Accounting (Cr-6)	Business Environment (Cr-6)				
SEC			SEC- 303 Life Skills and Personality Dev. (Cr-2)					
Research Project & Dissertation					RM-501 Introduction to Research - 4 Cr	RM 602 Academic Writing 2 Cr	Dissertation -I 6 Cr Or Interdisciplinary Research 4Cr Synopsis Preparation 2Cr	Dissertation -II 6 Cr Or Paper Publication 4Cr Entrepreneurship Education 2Cr
Total Credit	22	22	22	22	22	22	22	22

The students may complete one MOOC of 6 to 8 weeks in the interdisciplinary area in any semester. The certificate of completion of the MOOC should be submitted in the eighth semester.