

# DEPARTMENT OF EDUCATION

## Syllabus

For

### Integrated Teacher Education Programme (ITEP)

(Secondary Level)

As per the NCTE Curriculum Framework



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

**2025**

## **About the Course**

The Integrated Teacher Education Programme (Secondary Stage) is a dual-major bachelor's degree programme, with one major in Education and the other in a disciplinary/interdisciplinary branch of knowledge. The programme seeks to develop among student-teachers an ethic of social engagement, and capacities such as problem solving, critical thinking, creative thinking, communication skills, ethical and moral reasoning, etc., that are necessary for preparing competent teachers.

ITEP with secondary stage specialisation aimed at preparing teachers for the secondary stage for grades 9, 10, 11 and 12 of school education. This programme envisions the creation of passionate, motivated, qualified, professionally trained, and well-equipped teachers capable of designing and implementing developmentally appropriate learning experiences for students at the secondary stage of school education. It ensures that teachers are grounded in Indian values, languages, knowledge, ethos, and traditions, including tribal traditions, while also being well-versed in the latest advances in education and delivery of the highest quality education in content, pedagogy, values, and practice to the prospective teachers.

## **Programme Intake**

The annual intake for ITEP secondary is 150, one unit of each B.A. B.Ed., B.Sc. B.Ed. and B.Com. B.Ed. consisting of 50 (Fifty) seats in each course. Reservation of seats for SC/ST/OBC/EWS and PWD will be as per the existing Central Government / University rules.

## **Eligibility and Admission**

Candidates having a Certificate obtained after successful completion of Grade 12 (or equivalent stage of education, such as Pre-University, Intermediate, etc.) with a minimum of 50% marks in aggregate or an equivalent grade from a recognised Board/University are eligible for the course. Admissions will be strictly according to merit based on the scores obtained in the National Common Entrance Examination (NCET) conducted by the National Testing Agency (NTA) for the session, and the admission policy of the HNB Garhwal University. The university will invite applications for registration on the Samarth Portal for admission in the ITEP.

## **Duration of the Programme:**

The ITEP is of four academic years' duration across eight semesters of study. It will be conducted on the semester pattern with two semesters in an academic year. Each semester will consist of 15 -16 weeks of teaching and learning activities, excluding end-of-semester examinations. A semester will consist of a minimum of 96 working days, excluding end-of-semester examination days. Each working week will have a minimum of 40 hours of instructional/contact time.

## **Multiple Entry and Exit**

The ITEP envisages multiple entry and exit points and re-entry options, with appropriate certifications. Student-teachers who wish to exit after completion of one year (two semesters) of study will be given a Certificate indicating the credits accrued for the courses pursued. Student-teachers who wish to exit after completion of two years (four semesters) will be given a Diploma indicating the credits accrued for the courses completed. Student-teachers who wish to exit after successful completion of three years (six semesters) will be awarded a Bachelor's Degree in the chosen major area of study upon securing a minimum of 132 credits and satisfying the minimum credit requirements of 48 credits for the Major. Student-teachers who successfully complete four years (eight semesters) of study will be awarded a dual-major bachelor's degree, such as B.A. B.Ed., B.Sc. B.Ed., or B.Com. B.Ed. etc. upon securing 176 credits.

## **Medium of Instruction**

The medium of instruction will be English and Hindi for all courses. Medium of examination shall be English or Hindi.

## **Course Transaction**

The course transaction mechanism will involve classroom teaching and structured interaction, requiring a minimum of 15 hours of instructional/contact time per credit in a semester. Practicum requiring students to participate in an approved project or practical activity will require a minimum of 30 hours of student engagement per credit in a semester. This will be applicable to activities such as seminars, internships, lab-based activities, workshop-based activities, field-based learning/projects and practices, community engagement and service, etc.

## **Attendance Requirement**

A student teacher will be required to attain satisfactory attendance to appear in the examination. He/she has to attend not less than 80% of the total working days for theory classes and 100% of the school internship days. However, 10% attendance may be relaxed by the HOD for illness or medical condition after submitting the medical certificate in original, countersigned by the CMO.

## **Examination Pattern**

The assessment will include both internal and external examinations. Internal assessment will be conducted based on assignments, project reports, dairies, maintenance of student attendance register/ other registers and students' portfolios. The summative assessment will be conducted in the following manner.

There shall be a university examination at the end of each semester as per the details of the scheme of examination. The minimum pass marks in each year or semester examination shall be 40 % for each theory paper (including internal and external examinations) and practicum, and 50% for internship in teaching separately. The student teachers will have to pass each theory paper separately. A student teacher who fails in a maximum of two courses in the first year or semester of the course will be eligible to take the examination in that part of the subject (theory paper/practicum), as the case may be, in which he/she fails along with the next semester. In case a student teacher fails in the internship in teaching, he/she will have to undergo the full year of the course of study as a regular student in the subsequent year. A student teacher will have to complete the program in a maximum of eight years.

## **Programme Objectives**

The attributes expected to be demonstrated by student-teachers on completion of ITEP with Secondary Stage Specialisation (Grades 9 & 10) include the following:

- A comprehensive knowledge of the aims of education, curricular goals, competencies and learning outcomes defined for Grades 9 & 10, and the curricular structure and learning content that are to be used for creating learning experiences that reflect the cultural, geographical, linguistic, and social contexts of children.
- Procedural knowledge required by student-teachers to perform and accomplish the professional tasks associated with teaching in Grades 9 & 10, and

- To adopt effective pedagogical approaches to curriculum transaction that would facilitate the achievement by children of the expected learning outcomes and competencies on completion of Grades 9 & 10.
- Capacities for:
  - Designing and delivering developmentally appropriate learning experiences that are required to promote age-appropriate physical, socio-emotional, ethical, cognitive, aesthetic and cultural development of students enrolled in Grades 9 & 10.
  - Designing learning experiences to facilitate the achievement by students of learning outcomes and competencies relating to courses within curricular areas such as three Languages, Arts Education, Physical Education, Vocational Education, Social Science, Interdisciplinary Area, Mathematics and Computational Thinking, and Science.
  - Assessment of student learning, including selection of assessment methods, tools and processes that are appropriate for children studying in Grades 9 & 10, and recording, documentation and reporting of student progress towards the expected learning outcomes.
  - Responding to the learning needs of students with disability or other learning disabilities, students with individual learning needs, including through identification of disability or developmental delay of children in Grades 9 & 10, and delivering learning experiences in an inclusive and caring environment.
  - Managing classroom activities and field-based learning, and student behaviour, and engaging with parents and other caregivers of children in Grades 9 & 10, as well as with community members and leaders for mobilising support for ensuring retention and learning achievement of enrolled children.

**Course Outlines (Semester I - VIII) for B.A. B.Ed., B.Sc. B.Ed. and B.Com. B.Ed. are described below.**



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For

**Integrated Teacher Education Programme (ITEP)  
B.A. B.Ed. (Secondary Level)**



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

**2025**

## Integrated Teacher Education Programme (ITEP) B.A. B. Ed.

### Course-wise Detail

ITEP (B.A. B.Ed.)								
Sub/Sem	I	II	III	IV	V	VI	VII	VIII
<b>Education</b>								
<b>Foundation</b>	<b>EFC-101</b> Evolution of Indian Education (Cr-4)		<b>EFC-301</b> Child Development and Educational Psychology (Cr-4)	<b>EFC-401</b> Philosophical and Sociological Perspectives of Education-I (Cr-4)			<b>1. EFC-701</b> Education Policy Analysis (Cr-2) <b>2. EFC-702</b> Curriculum Planning and Dev. (Cr-2)	<b>1. EFC-801</b> Philosophical and Sociological Perspectives of Edu. II (Cr-4) <b>2. EFC-802</b> Perspectives on School Leadership and Management (Cr-2) <b>3. EFC-803</b> One Elective (Cr-4) <b>4. EFC-804</b> Inclusive Education (Cr-2) <b>5. EFC-805</b> Assessment and Evaluation (Cr-2)
<b>Stage Specific</b>			<b>ESSCCPC-302</b> Stage-Specific Content -cum- Pedagogy Courses Basics of Pedagogy at Secondary Stage (Cr-4)	<b>ESSCCPC-402</b> 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	<b>ESSCCPC-501</b> 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)	<b>ESSCCPC-603</b> 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.		

				<p>Pol. Sci. at Sec. Stage - Course (I) (Cr-2)</p> <p>H. Content cum Pedagogy of Geography at Sec. Stage - Course (I) (Cr-2)</p> <p>I. Content cum Pedagogy of Sociology at Secondary Stage - Course (I) (Cr-2)</p> <p>J. Content cum Pedagogy of Economics at Secondary Stage - Course (I) (Cr-2)</p> <p>K. Content cum Pedagogy of Art at Secondary Stage - Course (I) (Cr-2)</p> <p>L. Content cum Pedagogy of Hindi at Secondary Stage - Course (I) (Cr-2)</p> <p>M. Content cum Pedagogy of English at Secondary Stage - Course (I) (Cr-2)</p> <p>N. Content cum Pedagogy of Sanskrit at Sec.</p>	<p>H. Content cum Pedagogy of Geography at Sec. Stage - Course (II) (Cr-2)</p> <p>I. Content cum Pedagogy of Sociology at Secondary Stage - Course (II) (Cr-2)</p> <p>J. Content cum Pedagogy of Economics at Secondary Stage - Course (II) (Cr-2)</p> <p>K. Content cum Pedagogy of Art at Secondary Stage - Course (II) (Cr-2)</p> <p>L. Content cum Pedagogy of Hindi at Secondary Stage - Course (II) (Cr-2)</p> <p>M. Content cum Pedagogy of English at Secondary Stage - Course (II) (Cr-2)</p> <p>N. Content cum Pedagogy of Sanskrit at Secondary Stage - Course (II) (Cr-2)</p>	<p>Sci. at Sec. Stage - Course (III) (Cr-2)</p> <p>H. Content cum Pedagogy of Geography at Sec. Stage - Course (III) (Cr-2)</p> <p>I. Content cum Pedagogy of Sociology at Secondary Stage - Course (III) (Cr-2)</p> <p>J. Content cum Pedagogy of Economics at Secondary Stage - Course (III) (Cr-2)</p> <p>K. Content cum Pedagogy of Art at Sec. Stage - Course (III) (Cr-2)</p> <p>L. Content cum Pedagogy of Hindi at Sec. Stage - Course (III) (Cr-2)</p> <p>M. Content cum Pedagogy of English at Secondary Stage - Course (III) (Cr-2)</p> <p>N. Content cum Pedagogy of Sanskrit at Sec. Stage - Course (III) (Cr-2)</p>		
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				Stage - Course (I) (Cr-2)				
<b>Ability Enhancement &amp; Value-Added Courses</b>	<b>1. EAEVAC-102</b> Language-I (as per the 8 <sup>th</sup> schedule of the Constitution of India) (Cr-4) <b>2. EAEVAC-103</b> Art Education (Visual) (Cr-2) <b>3. EAEVAC-104</b> Understanding India (India Ethos and Knowledge System) (Cr-2) <b>4. EAEVAC-105</b> Understanding and Connecting with the Environment (Cr-2)	<b>1. EAEVAC-201</b> Language-II (Other than Language-I) (Cr-4) <b>2. EAEVAC-202</b> Understanding India (India Ethos and Knowledge System) (Cr-2) <b>3. EAEVAC-203</b> Teacher and Society (Cr-2)		<b>1. EAEVAC-403</b> Citizenship Education, Sustainability and Environment Education (Cr-2)			<b>1. EAEVAC-702</b> Sports, Nutrition and Fitness (Cr-2) <b>1. EAEVAC-703</b> ICT in Education (Cr-2)	<b>1. EAEVAC-804</b> Yoga & Understanding Self (Cr-2) <b>2. EAEVAC-805</b> Art Education (Visual) (Cr-2) <b>3. EAEVAC-806</b> Mathematical & Quantitative Reasoning (Cr-2)
<b>School Exp</b>					<b>ESEC-505</b> Pre-internship Practice (Cr-2)	<b>1. ESEC-605</b> School Observation (Cr-2)	<b>1. ESEC-703</b> School-Based Research Project (Cr-2) <b>2. ESEC-704</b> Internship in Teaching (Cr-10) <b>3. ESEC-705</b> Creating Teaching Learning Material (Cr-2)	<b>1. ESEC-805</b> Post Internship (Cr-2)
<b>Comm. Engagement</b>					<b>ECESC-505</b> Community Engagement and Services (Cr-2)			
<b>Disciplinary</b>								

<b>Core 1 (Major)</b>	<b>DCMJ-1 (Cr-6)</b>	<b>DCMJ-2 (Cr-6)</b>	<b>DCMJ-3 (Cr-6)</b>	<b>DCMJ-4 (Cr-6)</b>	<b>DCMJ-5 (Cr6)</b>	<b>DCMJ-6 (Cr-6)</b>		
<b>Political Science</b>	<b>DCPOL-101</b> Introduction to Political Theory (CR=6)	<b>DCPOL-201</b> Political Science (Indian Government and Politics) (CR=6)	<b>DCPOL-301</b> Comparative Government and Politics (CR=6)	<b>DCPOL-401</b> Introduction to International Relations (CR=6)	<b>DCPOL-501</b> Introduction to Western Political Thought or Global Politics or Introduction to Public Admin. (CR=6) <b>502</b> Field/Visit/Vocational Course/Entrepreneurship Skills (Cr-4)	<b>DCPOL-601</b> Introduction to Indian Political Thought or Introduction to Indian Foreign Policy or Introduction to Public Policy (CR=6)		
<b>Political Science (Skill)</b>	<b>DCPOL(SEC)-102</b> Legal Literacy-I or Dynamics of Public Opinion-I (CR=2)	<b>DCPOL(SEC)-202</b> Legal Literacy-II or Dynamics of Public Opinion-II (CR=2)						
<b>History</b>	<b>DCHIS-101</b> History of India (from Earliest Times up to 300CE) (CR=6)	<b>DCPOL(SEC)-202</b> History (History of India from C.300 to 1200 CE) (CR=6)	<b>DCHIS-301</b> History of India from 1200 to 1707 CE. (CR=6)	<b>DCHIS-401</b> History of India (from 1707 - 19050) (CR=6)	<b>DCHIS-501</b> European History (from 1780 - 1939) (CR=6) <b>502</b> Field/Visit/Vocational Course/Entrepreneurship Skills (Cr-4)	<b>DCHIS-601</b> Nationalism and Idea of Freedom in 20th Century World (CR=6)		
<b>History (Skill)</b>	<b>DCHIS(SEC)-102</b> An Introduction to Archaeology (CR=2)	<b>DCHIS(SEC)-202</b> Historical Tourism (CR=2)						
<b>Geography</b>	<b>DCGEO-101</b> Physical Geography (CR=4)	<b>DCGEO-201</b> Geography (Human Geography) (CR=4)	<b>DCGEO-301</b> Geography of India (CR=4)	<b>DCGEO-401</b> Geographical Thought (CR=4)	<b>DCGEO-501</b> Economic Geography (CR=4) <b>502</b> Field/Visit/Vocational Course/Entrepreneurship Skills (Cr-4)	<b>DCGEO-601</b> Environmental Geography (CR=4)		
	<b>DCGEO-101(P)</b> Physical Geography (Practical) (CR=1)	<b>DCGEO-201 (P)</b> Geography-Practical (CR=2)	<b>DCGEO-301</b> Statistical Methods in Geography (P) (CR=2)	<b>DCGEO-401 (P)</b> Graphic Representation of DATA and Geological Maps (CR=2)	<b>DCGEO-501(P)</b> Practical Geography V (Field Visit, Survey methods and Report Writing (CR=2)	<b>DCGEO-601(P)</b> Practical Geography VI (Field Surveying Techniques (CR=2)		

<b>Geography (Skill)</b>	<b>DCGEO(SEC)-102</b> Regional Development and Planning with Special Reference to Uttarakhand (2024-25) (CR=2)	<b>DCGEO(SEC)-202</b> Geographical Field Mapping and Statistical Training with Software (2024-25) (CR=2)						
<b>Economics</b>	<b>DCECO-101</b> Principles of Microeconomics I (CR=6)	<b>DCECO-201</b> Economics (Principles of Microeconomics - II) (CR=6)	<b>DCECO-301</b> Principles of Macroeconomics Economics-I (CR=6)	<b>DCECO-401</b> Principal of Macro Economics II (CR=6)	<b>DCECO-501</b> Economic Development and Policy in India-I or Money & Banking or Environmental Economics (CR=6) <b>502</b> Field/Visit/Vocational Course/Entrepreneurship Skills (Cr-4)	<b>DCECO-601</b> Economic Development and Policy in India-II or Uttarakhand Economy or Public Finance (CR=6)		
<b>Economics (Skill)</b>	<b>DCECO(SEC)-102</b> Entrepreneurship and Start-up-I (CR=2)	<b>DCECO(SEC)-202</b> Entrepreneurship and Start-up-II or Survey Methods and Data Analysis-II (CR=2)						
<b>Sociology</b>	<b>DCSOC-101</b> Basic Sociological Concept (CR=6)	<b>DCSOC-201</b> Indian Society (CR=6)	<b>DCSOC-301</b> Sociological Thoughts (CR=6)	<b>DCSOC-401</b> Social Change in India (CR=6)	<b>DCSOC-501</b> Social Research or Indian Sociological Thinkers (CR=6) <b>502</b> Field/Visit/Vocational Course/Entrepreneurship Skills (Cr-4)	<b>DCSOC-601</b> Social Problems or Society through the Visuals (CR=6)		
<b>Sociology (Skill)</b>	<b>DCSOC(SEC)-102</b> Basic Concepts of Social Research (CR=2)	<b>DCSOC(SEC)-202</b> Methods and Techniques of Social Research (CR=2)						

<b>Drawing &amp; Painting</b>	<b>DCDRA-101</b> Fundamentals of Visual Art. (CR=2)	<b>DCDRA-201</b> Drawing Painting (Methods and Materials of Painting) (CR=2)	<b>DCDRA-301</b> History of Indian Art-Part-1(Pre Historic art to Bengal Renaissance Period) (CR=4)	<b>DCDRA- 401</b> History of Indian Art – Part - 2 (Modern and Contemporary Indian Painting) (CR=2)	<b>DCDRA-501</b> Brief History of European Painting-1 or Element of Technical Drawing -1 or Graphic Design (CR=2) <b>502</b> Field/Visit/Vocational Course/Entrepreneurship Skills (Cr-4)	<b>DCDRA-601</b> Brief History of European Painting-2 or Element of Technical Drawing -2 or Brief History of Print making (Cr-2)		
	<b>DCDRA-101(P)</b> Free Hand Drawing (Practical) (CR=4)	<b>DCDRA-201(P)</b> Drawing Painting (Still Life (Drawing) - Practical) (CR=4)	<b>DCDRA-301(P)</b> Rendering (Practical) (CR=2)	<b>DCDRA-401 (P)</b> Head Study Drawing (CR=4)	<b>DCDRA-501(P)</b> Creative Composition or Tie and Die or Photography (CR=4)	<b>DCDRA-601(P)</b> Thematic Composition or Letter Writing or Screen Painting (CR=4)		
<b>Drawing &amp; Painting (Skill)</b>	<b>DCDRA(SEC)-102(P)</b> Line Drawing-Part A (Practical) (CR=2)	<b>DCDRA(SEC)-202</b> Line Drawing- Part B (CR=2)						
<b>Hindi</b>	<b>DCHIN-101</b> प्राचीन एवं मध्यकालीन काव्य (CR=6)	<b>DCHIN-201</b> आधुनिक गद्य (CR=6)	<b>DCHIN-301</b> अवार्चीन हिंदी काव्य (CR=6)	<b>DCHIN-401</b> हिंदी साहित्य का संक्षिप्त इतिहास (CR6)	<b>DCHIN-501</b> गढ़वाली लोक साहित्य एवं संस्कृति अथवा हिंदी काव्यधारा में हिमालय (CR=6) <b>502</b> Vocational Course (Cr-4)	<b>DCHIN-601</b> आधुनिक भारतीय साहित्य अथवा हिंदी का राष्ट्रीय काव्य (CR=6)		
<b>Hindi (Skill)</b>	<b>DCHIN(SEC)-102</b> भाषा शिक्षण कौशल अथवा भाषा कम्प्यूटिंग (CR=2)	<b>DCHIN(SEC)-202</b> कार्यालयी हिंदी अथवा प्रयोजनमूलक हिंदी (CR=2)						
<b>English</b>	<b>DCENG-101</b> Prose (CR=6)	<b>DCENG-201</b> English (Drama) (CR=6)	<b>DCENG-301</b> Poetry (CR=6)	<b>DCENG-401</b> Fiction and Short Stories (CR=6)	<b>DCENG-501</b> History of English Literature Part I or Literary Moments I or Twentieth Century British Poetry & Drama (CR=6) <b>502</b> Vocational Course (Cr-4)	<b>DCENG-601</b> History of Language Literature Part II or Literary Moments Part II or Twentieth Century American Poetry & Drama (CR=6)		

<b>English (Skill)</b>	<b>DCENG(SEC)-102</b> Academic Writing (CR=2)	<b>DCENG(SEC)-202</b> Studying Theatre (CR=2)						
<b>Sanskrit</b>	<b>DCSAN-101</b> नीतिकाव्य व्याकरण एवं अनुवाद (CR=6)	<b>DCSAN-201</b> नाटक अलंकार एवं छंद (CR=6)	<b>DCSAN-301</b> गद्य पद्य एवं व्याकरण (CR=6)	<b>DCSAN-401</b> संस्कृत साहित्य का इतिहास, संस्कृति एवं निबन्ध (CR=6)	<b>DCSAN-501</b> वेद एवं उपनिषद अथवा समास एवं छंदशास्त्र (CR=6) <b>502</b> Vocational Course/Field Visit (Cr-4)	<b>DCSAN-601</b> काव्य दर्शन एवं व्याकरण अथवा संस्कृत पत्रकारिता (CR=6)		
<b>Sanskrit (Skill)</b>	<b>DCSAN(SEC)-102</b> आयुर्वेद सामान्य परिचय (CR=2)	<b>DCSAN(SEC)-202</b> भारतीय वास्तुकला प्रणाली (CR=2)						
<b>Core 2 (Minor)</b>		<b>DCMN-1 (6)</b>	<b>DCMN-2 (6)</b>	<b>DCMN-3 (6)</b>				
<b>Political Science</b>		<b>DCPOL-201</b> Political Science (Indian Government and Politics) (CR=6)	<b>DCPOL-301</b> Comparative Government and Politics (CR=6)	<b>DCPOL-401</b> Introduction to International Relations (CR=6)				
<b>History</b>		<b>DCPOL(SEC)-202</b> History (History of India from C.300 to 1200 CE) (CR=6)	<b>DCHIS-301</b> History of India from 1200 to 1707 CE. (CR=6)	<b>DCHIS-401</b> History of India (from 1707 - 19050) (CR=6)				
<b>Geography</b>		<b>DCGEO-201</b> Geography (Human Geography) (CR=4) DCGEO-201 (P) Geography-Practical (CR=2)	<b>DCGEO-301</b> Geography of India (CR=4) DCGEO-301 Geography of India (P) (CR=2)	<b>DCGEO-401</b> Geographical Thought (CR=4) DCGEO-401 (P) Geographical Thought (CR=2)				
<b>Economics</b>		<b>DCECO-201</b> Economics (Principles of Microeconomics - II) (CR=6)	<b>DCECO-301</b> Principles of Macroeconomics-I (CR=6)	<b>DCECO-401</b> Principal of Macro Economics II (CR=6)				

<b>Sociology</b>		<b>DCSOC-201</b> Indian Society (CR=6)	<b>DCSOC-301</b> Sociological Thoughts (CR=6)	<b>DCSOC-401</b> Social Change in India (CR=6)				
<b>Drawing &amp; Painting</b>		<b>DCDRA-201</b> Drawing Painting (Methods and Materials of Painting) (CR=2) <b>DCDRA-201(P)</b> Drawing Painting (Still Life (Drawing) - Practical) (CR=4)	<b>DCDRA-301</b> History of Indian Art-Part-1 (Pre Historic art to Bengal Renaissance Period) (CR=4) <b>DCDRA-301(P)</b> Rendering (Practical) (CR=2)	<b>DCDRA- 401</b> History of Indian Art – Part - 2 (Modern and Contemporary Indian Painting) (CR=2) <b>DCDRA-401 (P)</b> Head Study Drawing (CR=4)				
<b>Hindi</b>		<b>DCHIN-201</b> आधुनिक गद्य (CR=6)	<b>DCHIN-301</b> अवार्चीन हिंदी काव्य (CR=6)	<b>DCHIN-401</b> हिंदी साहित्य का संक्षिप्त इतिहास(CR6)				
<b>English</b>		<b>DCENG-201</b> English (Drama) (CR=6)	<b>DCENG-301</b> Poetry (CR=6)	<b>DCENG-401</b> Fiction and Short Stories (CR=6)				
<b>Sanskrit</b>		<b>DCSAN-201</b> नाटक अलंकार एवं छंद (CR=6)	<b>DCSAN-301</b> गद्य पद्य एवं व्याकरण (CR=6)	<b>DCSAN-401</b> संस्कृत साहित्य का इतिहास, संस्कृति एवं निबन्ध (CR=6)				
<b>SEC</b>			<b>SEC- 303</b> Life Skills and Personality Dev. (Cr-2)					
<b>Research Project &amp; Dissertation</b>					<b>RM-501</b> Introduction to Research - 4 Cr Interdisciplinary Research 2 Cr	<b>RM 602</b> Academic Writing 2 Cr <b>Dissertation 603</b> 6 Cr Or Synopsis Preparation 603 -i 2Cr		

						<b>Paper Preparation 603- ii 2Cr Entrepreneurship Education 603-iii 2Cr</b>		
<b>Total Credit</b>	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.

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# DEPARTMENT OF EDUCATION

## Syllabus

For

**Integrated Teacher Education Programme (ITEP)  
B.Sc. B.Ed. (Secondary Level)**



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

**2025**

## Integrated Teacher Education Programme (ITEP) B.Sc. B.Ed.

### Course-wise Detail

ITEP (B.Sc. B.Ed.)								
Sub/Sem	I	II	III	IV	V	VI	VII	VIII
<b>Education</b>								
<b>Foundation</b>	<b>EFC-101</b> Evolution of Indian Education (Cr-4)		<b>EFC-301</b> Child Development and Educational Psychology (Cr-4)	<b>EFC-401</b> Philosophical and Sociological Perspectives of Education-I (Cr-4)			<b>1. EFC-701</b> Education Policy Analysis (Cr-2) <b>2. EFC-702</b> Curriculum Planning and Dev. (Cr-2)	<b>1. EFC-801</b> Philosophical and Sociological Perspectives of Edu. II (Cr-4) <b>2. EFC-802</b> Perspectives on School Leadership and Management (Cr-2) <b>3. EFC-803</b> One Elective (Cr-4) <b>4. EFC-804</b> Inclusive Education (Cr-2) <b>5. EFC-805</b> Assessment and Evaluation (Cr-2)
<b>Stage Specific (B.Sc. B.Ed.)</b>			<b>ESSCCPC-302</b> Stage-Specific Content -cum- Pedagogy Courses (Cr-4) Basics of Pedagogy at Secondary Stage (Cr-4)	<b>ESSCCPC-402</b> 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)	<b>ESSCCPC-502</b> 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)	<b>ESSCCPC-603</b> Stage-Specific Content -cum- Pedagogy Courses (Cr-4) (Any Two) A. Content cum Pedagogy of Mathematics at Secondary 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 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)	C. Content cum Pedagogy of Chemistry at 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)	C. Content cum Pedagogy of Chemistry at Secondary Stage - Course (III) (Cr-2) D. Content cum Pedagogy of Zoology at Secondary Stage - Course (III) (Cr-2) E. Content cum Pedagogy of Botany at Secondary Stage - Course (III) (Cr-2)		
<b>Ability Enhancement &amp; Value-Added Courses</b>	<b>1. EAEVAC-102</b> Language-I (as per the 8 <sup>th</sup> schedule of the Constitution of India) (Cr-4) <b>2. EAEVAC-103</b> Art Education (Visual) (Cr-2) <b>3. EAEVAC-104</b> Understanding India (India Ethos and Knowledge System) (Cr-2) <b>4. EAEVAC-105</b> Understanding and Connecting with the Environment (Cr-2)	<b>1. EAEVAC-201</b> Language-II (Other than Language-I) (Cr-4) <b>2. EAEVAC-202</b> Understanding India (India Ethos and Knowledge System) (Cr-2) <b>3. EAEVAC-203</b> Teacher and Society (Cr-2)		<b>1. EAEVAC-403</b> Citizenship Education, Sustainability and Environment Education (Cr-2)			<b>1. EAEVAC-702</b> Sports, Nutrition and Fitness (Cr-2) <b>1. EAEVAC-703</b> ICT in Education (Cr-2)	<b>1. EAEVAC-804</b> Yoga & Understanding Self (Cr-2) <b>2. EAEVAC-805</b> Art Education (Visual) (Cr-2) <b>3. EAEVAC-806</b> Mathematical & Quantitative Reasoning (Cr-2)
<b>School Exp</b>					<b>ESEC-505</b> Pre-internship Practice (Cr-2)	<b>1. ESEC-605</b> School Observation (Cr-2)	<b>1. ESEC-703</b> School-Based Research Project (Cr-2) <b>2. ESEC-704</b> Internship in Teaching (Cr-10) <b>3. ESEC-705</b>	<b>1. ESEC-805</b> Post Internship (Cr-2)

							Creating Teaching Learning Material (Cr-2)	
<b>Community Engagement</b>					<b>ECESC-505</b> Community Engag. and Services (Cr-2)			
<b>Disciplinary</b>								
<b>Core 1 (Major)</b>	<b>DCMJ-1 (Cr-6)</b>	<b>DCMJ-2 (Cr-6)</b>	<b>DCMJ-3 (Cr-6)</b>	<b>DCMJ-4 (Cr-6)</b>	<b>DCMJ-5 (Cr6)</b>	<b>DCMJ-6 (Cr-6)</b>		
<b>Botany</b>	<b>DCBOT-101</b> Diversity of Lower Plants (Theory and Practical) (Cr-6)	<b>DCBOT-201</b> Microbiology And Plant Pathology (Cr-6)	<b>DCBOT-301</b> Plant Physiology and Biochemistry (Theory and Practical) (Cr-6)	<b>DCBOT-401</b> Plant Taxonomy and Plant Embryology (Theory and Practical) (Cr-6)	<b>DCBOT-501</b> DSE 1-Biotechnology and Genetic Engineering Theory (Cr-4) and Practical (Cr-2) <b>502</b> Vocational Course (1&2)	<b>DCBOT-601</b> Biodiversity and Environmental Management Theory (Cr-4) and Practical (Cr-2)		
<b>Botany Skill</b>	<b>DCBOT-102</b> Mushroom Cultivation Technology (Cr-2)	<b>DCBOT-202</b> Floriculture (Cr-2)						
<b>Zoology</b>	<b>DCZOO-101</b> Animal Diversity-I Theory (Cr-4) and Practical (Cr-2)	<b>DCZOO-201</b> Animal Diversity-II Theory (Cr-4) and Practical (Cr-2)	<b>DCZOO-301</b> Elementary Cell Biology & Molecular Biology Theory (Cr-4) and Practical (Cr-2)	<b>DCZOO-401</b> Physiology and Elementary Biochemistry Theory (Cr-4) and Practical (Cr-2)	<b>DCZOO-501</b> <b>DSE (Anyone)</b> 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	<b>DCZOO-601</b> <b>DSE (Anyone)</b> 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) <b>502</b> <b>Vocational Course/ Field Visit/ Entrepreneurship Skills</b>	DSE-6. Basics of Biotechnology Theory (Cr-4) and Practical (Cr-2)		
<b>Zoology Skill</b> <b>Students will elect one course each in the I &amp; II Semesters</b>	<b>DCZOO-102</b> 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	<b>DCZOO-202</b> 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						
<b>Physics</b>	<b>DCPHY-101</b> Mechanics and Properties of Matter Theory (Cr-4) and Practical (Cr-2)	<b>DCPHY-201</b> Electricity and Magnetism Theory (Cr-4) and Practical (Cr-2)	<b>DCPHY-301</b> Heat and Thermodynamics Theory (Cr-4) and Practical (Cr-2)	<b>DCPHY-401</b> Waves and Optics Theory (Cr-4) and Practical (Cr-2)	<b>DCPHY-501</b> Modern Physics Theory (Cr-4) and Practical (Cr-2) <b>502</b> Vocational course/ Field Visit/Lab Work/ Entrepreneur ship Skills (4 Credits)	<b>DCPHY-601</b> Quantum Mechanics Theory (Cr-4) and Practical (Cr-2)		
<b>Physics Skill</b>	<b>DCPHY-102</b> Basic Electronics (Cr-2)	<b>DCPHY-202</b> Waves and Oscillations (Cr-2)						
<b>Chemistry</b>	<b>DCCHE-101</b> Inorganic Chemistry -I Organic Chemistry- I	<b>DCCHE-201</b> Physical Chemistry-I Organic Chemistry-II Theory	<b>DCCHE-301</b> Physical Chemistry-II Organic Chemistry - III	<b>DCCHE-401</b> Inorganic Chemistry-II Physical Chemistry-	<b>DCCHE-501</b> Students can opt for any one 1. Analytical Methods in Chemistry	<b>DCCHE-601</b> Students can opt for any one 1. Instrumental Methods of Chemical		

	Theory (Cr-4) and Practical (Cr-2)	(Cr-4) and Practical (Cr-2)	Theory (Cr-4) and Practical (Cr-2)	III Theory (Cr-4) and Practical (Cr-2)	2. Polymer Chemistry 3. Green Chemistry Theory (Cr-4) and Practical (Cr-2) <b>502</b> <b>Vocational Course in Chemistry</b> -(Paper 1-3) (Credit 4: Theory 2 + Practical 2)	Analysis 2. Organometallics, Bio-inorganic, Polynuclear Hydrocarbon, UV and IR Spectroscopy 3. Molecules of Life Theory (Cr-4) and Practical (Cr-2)		
<b>Chemistry Skill</b>	<b>DDCHE-102</b> Basic Analytical Chemistry I OR Green Methods in Chemistry (Cr-2)	<b>DDCHE-202</b> Basic Analytical Chemistry II or Pesticidal Chemistry (Cr-2)						
<b>Mathematics</b>	<b>DCM-101</b> Differential Calculus Theory-6 Cr	<b>DCM-201</b> Differential Equations Theory-6 Cr	<b>DCM-301</b> Real Analysis Theory- 5Cr and Tutorial-1Cr	<b>DCM-401</b> Abstract Algebra Theory- 5Cr and Tutorial-1Cr	<b>DCM-501</b> Linear Algebra Theory-6 Cr <b>502</b> <b>Vocational Course (a or b)</b>	<b>DCM-601</b> Complex Analysis Theory-6 Cr		
<b>Mathematics Skill</b>	<b>DCM-102</b> Integral Calculus (Cr-2)	<b>DCM-202</b> Vector calculus (Cr-2)						
<b>Core 2 (Minor)</b>		<b>DCMN-1 (6)</b>	<b>DCMN-2 (6)</b>	<b>DCMN-3 (6)</b>				
<b>Botany</b>		<b>DCBOT-201</b> Microbiology And Plant Pathology (Cr-6)	<b>DCBOT-301</b> Plant Physiology and Biochemistry (Theory and Practical) (Cr-6)	<b>DCBOT-401</b> Plant Taxonomy and Plant Embryology (Theory and Practical) (Cr-6)				
<b>Zoology</b>		<b>DCZOO-201</b> Animal Diversity-II Theory (Cr-4) and Practical (Cr-2)	<b>DCZOO-301</b> Elementary Cell Biology & Molecular Biology Theory (Cr-4) and Practical (Cr-2)	<b>DCZOO-401</b> Physiology and Elementary Biochemistry Theory (Cr-4) and Practical (Cr-2)				
<b>Physics</b>		<b>DCPHY-201</b> Electricity and Magnetism Theory (Cr-4) and Practical (Cr-2)	<b>DCPHY-301</b> Heat and Thermodynamics Theory (Cr-4) and Practical (Cr-2)	<b>DCPHY-401</b> Waves and Optics Theory (Cr-4) and Practical (Cr-2)				

<b>Chemistry</b>		<b>DCCHE-201</b> Physical Chemistry- I Organic Chemistry-II Theory (Cr-4) and Practical (Cr-2)	<b>DCCHE-301</b> Physical Chemistry-II Organic Chemistry - III Theory (Cr-4) and Practical (Cr-2)	<b>DCCHE-401</b> Inorganic Chemistry-II Physical Chemistry- III Theory (Cr-4) and Practical (Cr-2)				
<b>Mathematics</b>		<b>DCM-201</b> Differential Equations Theory-6 Cr	<b>DCM-301</b> Real Analysis Theory- 5Cr and Tutorial-1Cr	<b>DCM-401</b> Abstract Algebra Theory- 5Cr and Tutorial-1Cr				
<b>SEC</b>			<b>SEC- 303</b> Life Skills and Personality Dev. (Cr-2)					
<b>Interdisciplinary Research Project &amp; Dissertation</b>					<b>RM-501</b> Introduction to Research - 4 Cr Interdisciplinary Research 2 Cr	<b>RM 602</b> Academic Writing 2 Cr <b>Dissertation 603</b> 6 Cr <b>Or</b> Synopsis Preparation 603 -i 2Cr Paper Preparation 603-ii 2Cr Entrepreneurship Education 603-iii 2Cr		
<b>Total Credit</b>	<b>22</b>	<b>22</b>	<b>22</b>	<b>22</b>	<b>22</b>	<b>22</b>	<b>22</b>	<b>22</b>

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.

*Shawar*

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<b>Stage Specific</b>			<b>ESSCCPC-302</b> Stage-Specific Content -cum- Pedagogy Courses (Cr-4) Basics of Pedagogy at Secondary Stage (Cr-4)	<b>ESSCCPC-402</b> Stage-Specific Content -cum- Pedagogy Courses (Cr-4) O. Content cum Pedagogy of Business Studies at Secondary Stage - Course (I) (Cr-2)	<b>ESSCCPC-501</b> Stage-Specific Content -cum- Pedagogy Courses (Cr-4) O. Content cum Pedagogy of Business Studies at Secondary Stage - Course (II) (Cr-2)	<b>ESSCCPC-603</b> 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 (I) (Cr-2)	P. Content cum Pedagogy of Accountancy at Secondary Stage - Course (II) (Cr-2)	P. Content cum Pedagogy of Accountancy at Secondary Stage - Course (III) (Cr-2)		
<b>Ability Enhancement &amp; Value-Added Courses</b>	<b>1. EAEVAC-102</b> Language-I (as per the 8 <sup>th</sup> schedule of the Constitution of India) (Cr-4) <b>2. EAEVAC-103</b> Art Education (Visual) (Cr-2) <b>3. EAEVAC-104</b> Understanding India (India Ethos and Knowledge System) (Cr-2) <b>4. EAEVAC-105</b> Understanding and Connecting with the Environment (Cr-2)	<b>1. EAEVAC-201</b> Language-II (Other than Language-I) (Cr-4) <b>2. EAEVAC-202</b> Understanding India (India Ethos and Knowledge System) (Cr-2) <b>3. EAEVAC-203</b> Teacher and Society (Cr-2)		<b>1. EAEVAC-403</b> Citizenship Education, Sustainability and Environment Education (Cr-2)			<b>1. EAEVAC-702</b> Sports, Nutrition and Fitness (Cr-2) <b>1. EAEVAC-703</b> ICT in Education (Cr-2)	<b>1. EAEVAC-804</b> Yoga & Understanding Self (Cr-2) <b>2. EAEVAC-805</b> Art Education (Visual) (Cr-2) <b>3. EAEVAC-806</b> Mathematical & Quantitative Reasoning (Cr-2)
<b>School Exp</b>					<b>ESEC-505</b> Pre-internship Practice (Cr-2)	<b>1. ESEC-605</b> School Observation (Cr-2)	<b>1. ESEC-703</b> School-Based Research Project (Cr-2) <b>2. ESEC-704</b> Internship in Teaching (Cr-10) <b>3. ESEC-705</b> Creating Teaching Learning Material (Cr-2)	<b>1. ESEC-805</b> Post Internship (Cr-2)
<b>Comm Engagement</b>					<b>ECESC-505</b> Community Engagement and Services (Cr-2)			

Disciplinary								
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 Interdisciplinary Research 2 Cr	RM 602 Academic Writing 2 Cr Dissertation 603 6 Cr Or Synopsis Preparation 603 -i 2Cr Paper Preparation 603-ii 2Cr Entrepreneurship Education603-iii 2Cr		
Total Credit	22	22	22	22	22	20	20	20

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