

**NATIONAL COLLEGE FOR TEACHER EDUCATION**  
**MASTER OF EDUCATION (M.Ed.) DEGREE PROGRAMME**  
**SEMESTER I**  
**COMMON CORE COURSE**  
**ED010101 ADVANCED PHILOSOPHY OF EDUCATION**

On completion of the course, the prospective student teachers will be able to:

CLO 1: Understand the fundamental philosophical principles of education and how to apply them to improve educational quality.

CLO 2: Develop critical thinking skills through philosophical inquiry and apply them to educational pursuits.

CLO 3: Recognize and address essential human concerns and develop analytical skills to examine societal issues from a philosophical perspective.

CLO 4: Cultivate a philosophical approach to personal and professional life enabling them to tackle educational challenges effectively.

CLO 5: Appreciate the contributions of significant philosophical schools to educational theory and practice.

CLO 6: Understand the value-based foundation of education, human rights and life concerns and apply this understanding in real-life situations.

CLO 7: Learn to validate information across disciplines and apply this knowledge to educational contexts.

CLO 8: Familiarize themselves with major philosophical systems and analyse issues from ethical, epistemic, aesthetic and political perspectives, recognizing their implications for education.

CLO 9: Critically evaluate the ideas and visions of influential thinkers and their educational implications.

CLO 10: Develop a deeper understanding of modern educational philosophies in Western and Indian contexts.

CLO 11. Cultivate independent thinking and insight into philosophical roots and educational problems.

CLO 12. Formulate their own philosophical perspective, enabling them to make informed decisions on educational issues.

### **COMMON CORE COURSE**

#### **ED010102 ADVANCED EDUCATIONAL PSYCHOLOGY: LEARNING AND DEVELOPMENT**

On completion of the course, the prospective student teachers will be able to:

CLO 1: Understand the fundamentals of educational psychology, including key concepts, research methods and approaches.

CLO 2: Grasp the core principles, theories and concepts of educational psychology.

CLO 3: Apply psychological theories and principles to improve learning and instruction.

CLO 4: Analyse and critically evaluate the relevance and effectiveness of various psychological theories.

CLO 5: Develop a scientific mindset and research skills enabling them to design and conduct studies in educational psychology.

### **COMMON CORE COURSE**

#### **ED010103 INTRODUCTION TO EDUCATIONAL RESEARCH AND STATISTICS**

On completion of the course, the prospective student teachers will be able to:

CLO 1: Harness the power of research to drive educational innovation and improvement.

CLO 2: Navigate the landscape of educational research, recognizing diverse methodologies and approaches.

CLO 3: Identify and articulate pressing research questions that address real-world educational challenges.

CLO 4: Craft compelling research proposals that outline clear objectives, methods and expected outcomes.

CLO 5: Engage in incisive critiques of existing research, evaluating its validity, reliability and impact.

CLO 6: Formulate well-grounded hypotheses that guide investigation and experimentation.

CLO 7: Apply descriptive statistical techniques to uncover patterns, trends and correlations in educational data.

CLO 8: Recognize the pivotal role of statistical analysis in extracting insights from data and informing evidence-based educational practices.

### **ED010104 TRENDS, ISSUES, RESEARCH AND INNOVATIONS IN TEACHER EDUCATION**

On completion of the course, the prospective student teachers will be able to:

CLO 1: Grasp the fundamentals of pre-service teacher education

CLO 2: Identify key agencies for pre-service teacher training

CLO 3: Understand curriculum design in teacher education

CLO 4: Learn about in-service education for ongoing teacher development

CLO 5: Recognize agencies that provide in-service teacher education

CLO 6: Stay updated on the latest research trends in teacher education

### **ED010105 ICT and Skill Development**

On completion of the course, the prospective student teachers will be able to:

CLO 1: Master technology integration: Computer labs and smart classrooms

CLO 2: Explore web tools for enhanced teaching and learning

CLO 3: Develop effective communication skills through practice

CLO 4: Cultivate writing skills for academic success

CLO 5: Understand the principles of academic writing

CLO 6: Discover strategies for self-development and growth

## **SEMESTER II**

### **COMMON CORE COURSE**

#### **ED010201 PERSPECTIVES OF EDUCATIONAL STUDIES**

On completion of the course, the prospective student teachers will be able to:

CLO 1: Analyse education in the context of social phenomena and social practice.

CLO 2: Appreciate education as a discipline in terms of the theoretical, practical and application elements.

CLO 3: Examine the vision of education in India reflected in the policies and Programmes of government.

CLO 4: Comprehend the performance appraisal of higher education institutions and the conduct of quality analysis in educational institutions.

CLO 5: Critically examine the pivotal issues of contemporary India and to prepare action plans.

CLO 6: Comprehend the educational ideas of seminal thinkers with respect to the vision and mission of education.

CLO 7: Critically evaluate the problems and prospects of international initiatives and national policies in the present context.

#### **ED010202: HISTORY AND POLITICAL ECONOMY OF EDUCATION**

On completion of the course, the prospective student teachers will be able to:

CLO 1: Critically evaluate education, impact on promoting human rights, combating social injustices and addressing systemic inequalities.

CLO 2: Interpret the Constitutional vision for education in India, aligning with democratic values and social justice.

CLO 3: Analyse the complex interplay of social, political and economic factors influencing contemporary Indian society.

CLO 4: Compare and contrast the evolution of education in India, from pre-independence to post-independence, highlighting progress and challenges.

CLO 5: Confront the pressing issues of addiction, consumerism, superstition, abuse, discrimination and inequality, developing empathetic and solution-focused perspectives.

CLO 6: Develop a critical consciousness and strategic action plans to address the complex challenges facing Indian education, driving positive change and social transformation.

### **COMMON CORE COURSE**

#### **EDU 010203: ADVANCED EDUCATIONAL PSYCHOLOGY – INDIVIDUAL DIFFERENCES**

On completion of the course, the prospective student teachers will be able to:

CLO 1: Decode the fundamental concepts, principles and theoretical frameworks that underlie human diversity.

CLO 2: Unpack the significance of personality and intelligence theories, recognizing their impact on human behaviour and cognition.

CLO 3: Critically assess the applicability and limitations of various theories, developing a nuanced understanding of their strengths and weaknesses.

CLO 4: Cultivate a scientific mindset and research skills, empowering them to investigate and address complex questions related to individual differences.

#### **COMMON CORE COURSE ED010204 – ADVANCED EDUCATIONAL RESEARCH AND STATISTICS**

On completion of the course, the prospective student teachers will be able to:

- CLO 1: Design effective research studies
- CLO 2: Master sampling techniques and strategies
- CLO 3: Choose the right data collection tools and methods
- CLO 4: Select and apply appropriate statistical analysis techniques
- CLO 5: Understand and apply normal probability distribution
- CLO 6: Analyse and interpret research data with confidence
- CLO 7: Draw meaningful conclusions from research findings
- CLO 8: Prepare and write a research dissertation

**SPECIALISATION CORE COURSE ED010205 – CONTEXT AND ISSUES OF  
ELEMENTARY EDUCATION**

On completion of the course, the prospective student teachers will be able to:

- CLO 1: Understand the fundamentals of elementary education
- CLO 2: Analyse feeder programs for elementary education in India
- CLO 3: Explore the history and development of elementary education in India
- CLO 4: Examine the role of regulatory and monitoring agencies in education
- CLO 5: Understand institutions, structures and initiatives for elementary education
- CLO 6: Identify and address contemporary issues in elementary education
- CLO 7: Understand curriculum design and evaluation in elementary education
- CLO 8: Critically evaluate international trends, national initiatives and policies in elementary education

**THIRD SEMESTER**

**SPECIALISATION ELECTIVE COURSE ED800303 – GUIDANCE AND  
COUNSELLING**

On completion of the course, the prospective student teachers will be able to:

- CLO 1: Master guidance and counselling skills for effective support
- CLO 2: Cultivate interest in pursuing a career in guidance and counselling
- CLO 3: Identify and address problems in educational settings
- CLO 4: Plan and implement comprehensive guidance services

CLO 5: Stay updated with advanced tools and techniques in guidance and counselling

CLO 6: Leverage technology to enhance guidance and counselling practices

### **SPECIALISATION ELECTIVE COURSE ED810301 – ENVIRONMENTAL EDUCATION**

On completion of the course, the prospective student teachers will be able to:

CLO 1: Understand the significance and scope of environmental education

CLO 2: Recognize environmental issues, problems and recent hazards

CLO 3: Develop strategies to address environmental challenges

CLO 4: Master IT-enabled approaches for environmental education

CLO 5: Conduct research for sustainable development and environmental improvement

CLO 6: Design and implement public awareness programs for sustainable development

CLO 7: Embody and promote eco-friendly values and green living

CLO 8: Cultivate a nature-conserving attitude and responsible resource management

### **PRACTICAL COURSE – CORE ED010301:**

Field Internship in Primary Schools, Primary Teacher, Education Institution, & Field, Site relevant to Cluster A & Cluster B Thematic **Cluster A**– Current Practices in Education (one Course from Thematic Cluster A shall be opted - **ED800303 Guidance and Counselling**) Thematic **Cluster B**– Emerging Issues in Education (one Course from Thematic Cluster B shall be opted- **ED810301 Environmental Education**)

Upon completing the Field Trip component of the Master of Education (M.Ed.) programme, student teachers will be able to:

CLO 1: Observe and analyse educational practices in diverse settings

CLO 2: Apply theoretical knowledge to real-world educational contexts

CLO 3: Develop critical thinking and reflective practice skills

CLO 4: Demonstrate understanding of educational leadership and management principles

CLO 5: Show increased awareness of social, cultural and environmental factors influencing education

CLO 6: Foster professional networking and collaboration skills

Upon completing the Field Trip in Primary Schools component of the Master of Education (M.Ed.) programme, student teachers will be able to:

CLO 1: Observe and analyse teaching-learning processes in primary school settings

CLO 2: Develop understanding of child-centred pedagogy and curriculum design

CLO 3: Apply knowledge of educational psychology and child development

CLO 4: Demonstrate skills in classroom management and organization

CLO 5: Show increased awareness of diverse learning needs and inclusive practices

CLO 6: Foster effective communication and interpersonal skills with teachers, students and parents

Upon completing the Field Trip in Primary Teacher Education Institution component of the Master of Education (M.Ed.) programme, student teachers will be able to:

CLO 1: Observe and analyze teacher education programs and practices

CLO 2: Develop understanding of primary teacher training and development

CLO 3: Apply knowledge of educational policy and curriculum frameworks

CLO 4: Demonstrate skills in lesson planning and instructional design

CLO 5: Show increased awareness of teacher mentorship and coaching practices

CLO 6: Foster effective collaboration and communication with teacher educators and professionals

Upon completing the Field Site Visit component of the Master of Education (M.Ed.) programme, student teachers will be able to:

- Guidance and Counselling:

CLO 1: Apply theoretical knowledge of guidance and counselling principles in real-world settings

CLO 2: Develop skills in assessing student needs and designing interventions

CLO 3: Demonstrate understanding of ethical and cultural considerations in guidance and counselling

CLO 4: Show increased awareness of community resources and referral processes

- Environmental Education:



- CLO 1: Develop understanding of environmental education principles and practices
- CLO 2: Apply knowledge of sustainability and ecological concepts in educational settings
- CLO 3: Demonstrate skills in designing environmental education programs and activities
- CLO 4: Show increased awareness of global and local environmental issues and their impact on education

### **PRACTICAL COURSE – CORE ED010302, DISSERTATION**

Upon completing the M.Ed. Dissertation course, student teachers will be able to:

- CLO 1: Design and conduct an original research study in education
- CLO 2: Apply advanced knowledge of research methodologies and statistical analysis
- CLO 3: Develop critical thinking and problem-solving skills in educational research
- CLO 4: Demonstrate expertise in academic writing and presentation skills
- CLO 5: Show increased ability to contribute to the body of knowledge in education
- CLO 6: Apply research findings to inform educational practice and policy
- CLO 7: Develop a deep understanding of a specific area of education
- CLO 8: Demonstrate advanced skills in data collection, analysis and interpretation
- CLO 9: Show increased ability to work independently and manage time effectively
- CLO 10: Demonstrate expertise in citing and referencing sources using a recognized citation style

### **ED010303 VIVA VOCE DISSERTATION**

Upon completing the Viva Voce component of the Master of Education (M.Ed.) Dissertation course, student teachers will be able to:

- CLO 1: Successfully defend their dissertation research and findings
- CLO 2: Demonstrate in-depth knowledge and understanding of their research topic and methodology
- CLO 3: Apply critical thinking and problem-solving skills to address questions and concerns from examiners
- CLO 4: Show increased ability to articulate and communicate complex research concepts and ideas clearly and concisely
- CLO 5: Demonstrate expertise in responding to questions and critiques from experts in the field

CLO 6: Demonstrate understanding of the contributions and implications of their research for educational practice and policy

CLO 7: Show increased ability to think critically and reflectively about their research and its limitations

CLO 8: Demonstrate expertise in using research evidence to inform educational decision-making and practice

CLO 9: Show increased confidence in their ability to engage in academic discourse and debate.

#### **FOURTH SEMESTER**

#### **COMMON CORE COURSE ED010401 - CURRICULUM DEVELOPMENT AND TRANSACTION**

On completion of the course, the prospective student teachers will be able to:

CLO 1: Grasp the concept of curriculum and its influencing factors

CLO 2: Explore the curriculum development process

CLO 3: Analyse the foundations and areas of curriculum

CLO 4: Understand the theoretical background of curriculum development

CLO 5: Examine models, approaches and issues in curriculum development

CLO 6: Critically evaluate curriculum and its development

CLO 7: Investigate approaches to curriculum and factors affecting implementation

CLO 8: Determine the purpose of curriculum evaluation and materials assessment

CLO 9: Familiarize yourself with curriculum planning, organization and new trends

CLO 10: Select appropriate materials and procedures for curriculum planning

CLO 11: Consider values, individual capacities, economic growth and problems in curriculum planning

CLO 12: Understand curriculum transaction, requirements, materials and processes

#### **SPECIALISATION CORE COURSE ED010402 – CONTEXT AND ISSUES OF SECONDARY AND SENIOR SECONDARY EDUCATION**

On completion of the course, the prospective student teachers will be able to:

CLO 1: Understand the conceptual framework of secondary and senior secondary education

CLO 2: Explore the history and development of secondary and senior secondary education in post-independent India

CLO 3: Analyse the role of regulatory and monitoring agencies in education

CLO 4: Familiarize yourself with institutions, structures and initiatives for secondary and senior secondary education

CLO 5: Identify and address contemporary issues in secondary and senior secondary education

CLO 6: Understand curriculum design and evaluation in secondary and senior secondary education

CLO 7: Examine international trends, national initiatives and policies in secondary and senior secondary education

CLO 8: Assess the impact of quality enhancement programs, ICT implementation, teacher training and media influence on secondary and senior secondary education

**SPECIALISATION ELECTIVE COURSE ED820401 – ADVANCED METHODOLOGY  
AND PEDAGOGICAL PRACTICES OF LANGUAGE EDUCATION – ENGLISH**

On completion of the course, the prospective student teachers will be able to:

CLO 1: Grasp key language learning and teaching ideologies

CLO 2: Master curriculum design and construction for language learning

CLO 3: Understand the psychology of language acquisition

CLO 4: Familiarize yourself with modern language pedagogy

CLO 5: Stay updated on latest trends in language assessment and evaluation

CLO 6: Design and construct effective language tests (online and offline)

CLO 7: Leverage digital resources for language education

CLO 8: Cultivate a research-oriented attitude

CLO 9: Recognize the importance of Continuing Professional Development (CPD) in language education

**SPECIALISATION ELECTIVE COURSE ED820406 – ADVANCED METHODOLOGY  
AND PEDAGOGICAL PRACTICES OF MATHEMATICS EDUCATION**

On completion of the course, the prospective student teachers will be able to:

- CLO 1: Grasp key ideologies in Mathematics learning and teaching
- CLO 2: Master curriculum design and construction for Mathematics learning
- CLO 3: Understand the psychology of Mathematics acquisition
- CLO 4: Familiarize yourself with modern Mathematics pedagogy
- CLO 5: Stay updated on latest trends in Mathematics assessment and evaluation
- CLO 6: Leverage digital resources for Mathematics education
- CLO 7: Cultivate a research-oriented attitude
- CLO 8: Develop a positive and professional attitude towards teaching Mathematics
- CLO 9: Recognize the importance of Continuing Professional Development (CPD) in Mathematics education
- CLO 10: Explore opportunities for professional growth and development

**SPECIALISATION ELECTIVE COURSE ED820407 - ADVANCED METHODOLOGY  
AND PEDAGOGICAL PRACTICES OF SCIENCE EDUCATION**

On completion of the course, the prospective student teachers will be able to:

- CLO 1: Understand the key features of Science Education
- CLO 2: Develop skills for curriculum design and material development
- CLO 3: Learn principles for selecting and organizing learning experiences
- CLO 4: Address issues in curriculum development
- CLO 5: Evaluate curricula using various validities
- CLO 6: Analyse innovative curricular efforts in India and abroad
- CLO 7: Understand the role of instructional materials and co-curricular activities
- CLO 8: Appreciate Constructivist approaches to science instruction
- CLO 9: Recognize the importance of assessment in teaching-learning
- CLO 10: Familiarize yourself with new trends in assessment
- CLO 11: Address equity, access, gender, and ethical issues in Science Education
- CLO 12: Understand In-service education and teacher training needs
- CLO 13: Evaluate In-service teacher education programs
- CLO 14: Reflect on teacher education concerns and problems
- CLO 15: Leverage ICT for teacher professional development

CLO 16: Promote inclusive practices and utilize existing resources

CLO 17: Create conducive teaching-learning environments

CLO 18: Apply research findings to improve Science Education practices

**SPECIALISATION ELECTIVE COURSE ED820408 – ADVANCED METHODOLOGY  
AND PEDAGOGICAL P RACTICES OF SOCIAL SCIENCE EDUCATION**

On completion of the course, the prospective student teachers will be able to:

Understand the concept and significance of Social Science in education

CLO 1: Recognize the aims and objectives of teaching Social Science

CLO 2: Master principles and techniques of organizing Social Science curriculum

CLO 3: Appreciate interdisciplinary approaches to teaching Social Science

CLO 4: Consider psychological factors in Social Science instruction

CLO 5: Apply modern instructional strategies and models

CLO 6: Leverage technology in Social Science education

CLO 7: Identify and utilize various resources for teaching Social Science

CLO 8: Develop assessment tools and interpret results

CLO 9: Identify priority research areas in Social Science education

CLO 10: Gain practical experience to become an effective Social Science teacher educator

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**SPECIALISATION ELECTIVE COURSE ED 820409 - ADVANCED METHODOLOGY  
AND PEDAGOGICAL PRACTICES OF COMMERCE EDUCATION**

On completion of the course, the prospective student teachers will be able to:

CLO 1: Develop into a professional Commerce teacher

CLO 2: Understand the aims and objectives of teaching Commerce

CLO 3: Explore various instructional approaches, techniques and methods

CLO 4: Apply effective instructional practices and models

CLO 5: Design and organize Commerce curriculum using principles and approaches

CLO 6: Acquire skills for effective teaching in Commerce

CLO 7: Familiarize yourself with feedback mechanisms and online assessment tools

CLO 8: Understand techno-pedagogy and the teacher's role

CLO 9: Enhance teaching competence with techno-pedagogical content knowledge

CLO 10: Stay updated on recent research trends in Commerce education

### **PRACTICAL COURSE – CORE ED010403:**

Field Internship in Secondary and Senior Secondary Schools, Secondary Teacher Education Institution, & Field Site relevant to Cluster C -Thematic **Cluster C– Advanced Methodology and Pedagogical Practices of Optional Subjects in Secondary and Senior Secondary Education** (one Course from Thematic Cluster C shall be opted)

Upon completing the Field Internship component of the Master of Education (M.Ed.) programme, student teachers will be able to:

CLO 1: Apply theoretical knowledge in real-world secondary and senior secondary school settings

CLO 2: Develop practical skills in teaching, learning and assessment

CLO 3: Demonstrate understanding of adolescent development and learning needs

CLO 4: Show increased ability to plan and deliver effective lessons

CLO 5: Develop skills in classroom management and organization

CLO 6: Demonstrate understanding of school culture and community engagement

CLO 7: Observe and analyze teacher education programs and practices in secondary teacher education institutions

CLO 8: Develop understanding of teacher training and development processes

CLO 9: Apply knowledge of educational policy and curriculum frameworks

CLO 10: Demonstrate skills in mentoring and coaching student teachers

CLO 11: Show increased awareness of diverse learning needs and inclusive practices

### **ED010404 VIVA VOCE COMPREHENSIVE**

Upon completing the Comprehensive Viva component of the Master of Education (M.Ed.) programme, student teachers will be able to:

CLO 1: Demonstrate comprehensive knowledge and understanding of their area of specialization

CLO 2: Apply critical thinking and problem-solving skills to address complex educational issues

CLO 3: Show increased ability to articulate and defend their research and scholarly work

CLO 4: Demonstrate expertise in communicating complex ideas and concepts clearly and concisely

CLO 5: Show increased confidence in their ability to engage in academic discourse and debate

CLO 6: Demonstrate understanding of the implications of their research for educational practice and policy

CLO 7: Show increased ability to think creatively and innovatively about educational problems

CLO 8: Demonstrate expertise in using evidence-based research to inform educational decision-making

CLO 9: Show increased ability to engage in reflective practice and continuous professional development