

# UNIVERSITY OF KERALA



## Two Year B. Ed. Curriculum - 2019

*Credit and Semester System with Grading*

**FACULTY OF EDUCATION**

**&**

**BOARD OF STUDIES IN EDUCATION (Pass)**

## **SEMESTER – I**

**Instructional hours per Subject : 90 (Theoretical Discourses – 60 & CE – 30 hours)**

### **Perspectives in Education/Core Subjects:**

- EDU-01 : Knowledge and Curriculum: Philosophical and Sociological Perspectives.**
- EDU-02 : Developmental Perspectives of the Learner.**
- EDU-03 : Technology and Communication in Education.**

### **Curriculum and Pedagogic Courses/Optional subjects:**

- EDU-04. 1-13 : Theoretical Base of .....Education.**
- EDU-05. 1-13 : Pedagogic Content Knowledge Analysis : ....**

## **EDU - 01: KNOWLEDGE AND CURRICULUM: PHILOSOPHICAL AND SOCIOLOGICAL PERSPECTIVES**

**Hours to transaction: 60 (Theoretical discourses) & CE - 30 hrs (Activities/Process)**

### **Course Outcome ( CO ):**

- **CO 1 To recognise broad functions of education and role of teacher as a leader**
- **CO2 To develop personal philosophy of teaching**
- **CO3 To synthesise eclectic tendencies in teaching**
- **CO4 To understand the sociological functions of education**
- **CO5 To synthesise the role of teacher as a change agent and nation builder**
- **CO6 To synthesise the role education in promoting national integration and peaceful coexistence**

## SEMESTER 1

### EDU - 02: DEVELOPMENTAL PERSPECTIVES OF THE LEARNER

#### Course Outcome(CO):

#### To enable the student teacher:

1. CO 1 To conceptualise the nature, scope and methods of Educational psychology.
2. CO 2 To familiarise the approaches for the study of Educational Psychology
3. CO 3 To develop an understanding of the concept, principles and theories of Growth and development.
4. CO 4 To familiarise the developmental tasks and developmental hazards
5. CO 5 To understand the developmental characteristics of Childhood and Adolescence.
6. CO 6 To develop an understanding of the concept, nature and various theories of intelligence
7. CO 7 To understand the meaning, nature, process of creativity development and the strategies for fostering creativity.
8. CO 8 To develop an understanding of the concept and theories and development of Personality.
9. CO 9 To understand the concept of Adjustment, Maladjustment and the causes of mal-adjustment.
10. CO 10 To equip student teachers to apply the theories in facilitating overall development of the learner

## **EDU -03 TECHNOLOGY AND COMMUNICATION IN EDUCATION**

**(Theory 60 hours+ Practical 30 hours)**

### **Course Outcome(CO):**

- CO 1 To develop an understanding of the concepts in educational technology and communication.
- CO 2 To empower prospective teachers through the blending of technological aspects with pedagogical principles.
- CO 3 To acquaint the prospective teachers with the application and use of e-resources, free and open source software.
- CO 4 To explore the creative avenues in technological advancements for improving the teaching learning process.
- CO 5 To familiarize with the concept of teacher as a Techno pedagogue.
- CO 6 To create an awareness regarding teacher as a content creator.
- CO 7 To explore creative avenues for enriching classroom teaching learning process
- CO 8 To create a zinc with man, machine and material with regard to technological resources

## **Sem I EDU-04.1: THEORETICAL BASE OF MALAYALAM LANGUAGE EDUCATION**

**(Theoretical Discourse – 60 hours & CE – 30 hours)**

### **Course Outcome (CO ):**

**CO 1:**To get familiarised with the functional plane of teaching, learning and the divergent roles expected to be played as a teacher.

**CO 2 :**To understand the importance, nature and functions of Mother tongue.

**CO 3:**To understand the importance, nature and functions of Mother tongue.

**CO 4 :**To get familiarised with the aims and objectives of teaching Malayalam, Taxonomy of educational objectives etc.

**CO 5 :**To understand the modern educational theories and concepts.

## **Sem I EDU-05.1: PEDAGOGIC CONTENT KNOWLEDGE ANALYSIS – MALAYALAM**

**(Theoretical Discourse – 60 hours & CE – 30 hours)**

### **Course Outcome (CO)**

- **CO 1:** To understand the meaning and practice pedagogic content knowledge analysis.
- **CO 2:** To understand the need and significance of instructional planning.
- **CO 3 :** To understand, practice and master basic language teaching skills.
- **CO 4 :** To develop an understanding of the basic concepts of micro teaching.

**EDU –04.2 : THEORETICAL BASE OF ENGLISH LANGUAGE EDUCATION.**

**(Theoretical Discourses – 60 hours & CE – 30 hours)**

**Course Outcome (CO):**

The student teacher :

- CO 1 Familiarizes with the nature and purpose of language teaching.
- CO 2 Grasps problems related to learning a Second Language.
- CO 3 Draws implications of different theories of learning for Second Language instruction.
- CO 4 Gets an awareness of Approaches, Methods and Instructional Strategies for teaching English.

**EDU. 05.2 : PEDAGOGIC CONTENT KNOWLEDGE ANALYSIS: ENGLISH**  
**(Theoretical Discourses – 60 hours & CE – 30 hours)**

**Course Outcome (CO):**

The student teacher:

- CO 1 Familiarizes with the different dimensions of Pedagogic Content Knowledge.
- CO 2 Develops an understanding of objectives and specifications for teaching English as a Second Language.
- CO 3 Familiarizes the procedure and steps for planning different kinds of lesson.
- CO 4 Analyzes Secondary Course Books and identifies suitable strategies for transacting content.
- CO 5 Explores ways of designing appropriate learning aids.
- CO 6 Identifies suitable strategies for assessment.

## **EDU 04.7 : THEORETICAL BASE OF MATHEMATICS EDUCATION**

**(Theoretical Discourse - 60 hrs, CE - 30 hrs)**

### **Course Outcome (CO):**

- **CO 1 To make the novice student teachers understand the scope and nature of Mathematics teaching at different levels of learning**
- **CO 2 To introduce Mathematics teacher with a futuristic perspective as an agent of social change**
- **CO 3 To acquire the fundamentals of theory and practice of principles and procedures of teaching and learning of Mathematics**
- **CO 4 To develop an understanding of different methods, strategies and techniques possible in teaching and learning of Mathematics**

**EDU 05.7 : PEDAGOGIC CONTENT KNOWLEDGE ANALYSIS: MATHEMATICS**

**(Theoretical Discourse - 60 hrs, CE - 30 hrs)**

**Course Outcome (CO):**

- **CO 1 To develop practical field based skill and experience in resource development and learning experience designing while transacting the mathematics curriculum**
- **CO 2 To infuse an attitude for undertaking the contextual challenges as a Mathematics Education Professional**
- **CO 3 To enrich the capabilities of Mathematics teachers during and after the pre service education**
- **CO 4 To inculcate the theoretical and practical wisdom of mathematics classroom and its associated units' design, management and innovation**

## **EDU- 04.8: THEORETICAL BASE OF PHYSICAL SCIENCE EDUCATION**

(Theoretical Discourse - 60 hrs, CE - 30 hrs)

### **Course Outcome (CO):**

- **CO 1** To make the novice student teachers understand the nature and scope of Science education
- **CO 2** To introduce the challenging career of Science teacher with a futuristic perspective as an agent of social change
- **CO 3** To understand the aims and objectives of learning science in the developmental age
- **CO 4** To acquire the fundamentals of theory and practice of principles and procedures of teaching and learning of Physical Science
- **CO 5** To apply suitable methods, strategies and techniques in teaching and learning of Physical Science

## **EDU - 05.8 : PEDAGOGIC CONTENT KNOWLEDGE ANALYSIS : PHYSICAL SCIENCE**

(Theoretical discourses - 60 hrs, CE - 30 hrs)

### **Course Outcome (CO):**

- **CO 1** To develop practical field based skill and experience in resource development and learning experience designing while transacting the science curriculum
- **CO 2** To infuse an attitude for undertaking the contextual challenges as a Science Education Professional
- **CO 3** To enrich the capabilities of prospective science teachers during and after the pre-service education
- **CO 4** To inculcate the theoretical and practical wisdom of science classroom and its associated units' design, management and innovation

## **EDU – 04.9 : THEORETICAL BASE OF NATURAL SCIENCE EDUCATION**

**(Theoretical Discourses-50 Marks/60 hours & CE-25 Marks /30 hours)**

### **Course Outcome (CO):**

Enable the student teacher:

- CO 1 To understand the scope and nature of Natural Science Teaching at different levels of learning.
- CO 2 To acquire the fundamentals of theory and practice of principles and procedures of Teaching and Learning of Natural Science.
- CO 3 To understand the concept of teaching- learning process.
- CO 4 To introduce the challenging career of science teacher with a futuristic perspective as an agent of social change.
- CO 5 To understand and develop skill in selecting appropriate aims and objectives for teaching Natural Science.
- CO 6 To familiarize and apply the instructional management strategies of teaching Natural Science.

## **EDU- 05.9: PEDAGOGIC CONTENT KNOWLEDGE ANALYSIS - NATURAL SCIENCE**

**(Theoretical discourses-50 Marks/60 hours & CE-25 Marks/30 hours)**

### **Course Outcome (CO):**

Enable the student teachers:

- **CO 1** To comprehend the dimensions of pedagogical analysis
- **CO 2** To critically analyze the Secondary School Biology Syllabus based on pedagogical Content Knowledge.
- **CO 3** To understand and apply the different skills for teaching Natural Science.
- **CO 4** To understand and prepare teaching manuals based on different instructional strategies.
- **CO 5** To understand the different teaching learning resources for teaching Natural Science.
- **CO 6** To prepare and use suitable learning aids for Natural Science teaching.

## **EDU – 04.10 – THEORETICAL BASE OF SOCIAL SCIENCE EDUCATION**

**(Theoretical discourses-60 hours & CE – 30 hours)**

### **Objectives:**

- To familiarize with the conceptualized version of components required to enter in teaching profession
- To mould the prospective teacher educators to uphold the professional spirit
- To equip with varied dimensions of Social Science education
- To identify and analyse the aims and objectives of teaching Social Science
- To gain an outlook of approaches in behaviorism, constructivism and cognitivism in Social Science education
- To analyze the unique features of different instructional methods suited for teaching Social Science
- To identify and select most appropriate teaching- learning methods and strategies in varied context and content.

## **EDU – 05 .10 : PEDAGOGIC CONTENT KNOWLEDGE ANALYSIS – SOCIAL SCIENCE.**

**(Theoretical discourses – 60 hours & CE – 30 hours)**

### **Objectives**

- To understand the key aspects involved in systematic PCK analysis
- To develop skill in analyzing the content of secondary level Social Science text book
- To justify the importance and phases of instructional planning in Social Science
- To equip prospective teachers in developing teaching skills through micro teaching practices
- To conscientize the inevitable role of various instructional support in effective instructional practices.
- To become competent in developing suitable testing mechanisms.

## **EDU – 101.2 : Yoga, Health and Physical Education**

**( 2 credits – 60 hours & 50 marks)**

### **Objectives Outcome**

- CO 1 To get acquainted with the meaning, aims and objectives of Physical Education
- CO 2 To understand the concept of Physical fitness and chalk out physical fitness workout plans
- CO 3 To get acquainted with type of exercises and understand the health benefits of physical exercises
- CO 4 To get acquaint with the Yoga techniques (Pranayamas)
- CO 5 To understand the Holistic and curative aspects of yoga
- CO 6 To practice of Yoga & recreational activities

**SEMESTER – II**

**Instructional hours per Subject : 90 (Theoretical Discourses – 60 & CE – 30 hours)**

**Perspectives in Education/Core Subjects:**

*EDU-06 : Education in Indian Society*

*EDU-07 : Perspectives of Learning and Teaching*

*EDU-08 : Assessment in Education*

**Curriculum and Pedagogic courses/Optional subjects:**

*EDU-09. 1-13 : Curriculum and Resources in Digital Era: .....Education*

*EDU-10. 1-13 : Techno-Pedagogic Content Knowledge Analysis: .....*

**SEMESTER II**

**EDU - 06: EDUCATION IN INDIAN SOCIETY**

**COURSE OUTCOMES**

- CO 1: To Develop an understanding of the evolution of education in Indian society**
- CO 2: To identify the role education in national development**
- CO 3: To recognize initiatives in modern Indian education**
- CO 4: To analyse the challenges in Indian education and the role of teacher in the changing scenario**
- CO 5: To familiarise with the emerging trends of education**

## **EDU - 07 : PERSPECTIVES OF LEARNING AND TEACHING**

**(Theoretical Discourses – 60 & CE – 30 hours)**

**COURSE OUTCOMES ( C O ) To enable the student teacher to:**

- **CO 1** To understand the concept, nature and factors influencing learning
- **CO 2** To gain an insight into the mental processes involved in learning
- **CO 3** To develop an understanding of the process of learning through various theoretical perspectives
- **CO 4** To familiarise the cognitive functions of learning
- **CO 5** To conceptualise the basics of neuroscience
- **CO 6** To understand motivation and its educational significance
- **CO 7** To develop an understanding of the concept and areas of Individual difference.
- **CO 8** To explain the concept and types of ‘exceptional children’.
- **CO 9** To conceptualise Learning Disability and inclusive education
- **CO 10** To develop skills to educate students with special needs.

## SEMESTER II

### **EDU - 08 : ASSESSMENT IN EDUCATION.** (Theoretical Discourses – 60 & CE – 30 hours)

#### Course outcome (CO):

The student teachers will be able to:

- CO 1 Understand the concept and nature of Assessment and Evaluation in education
- CO 2 Understand the role of Assessment and Evaluation in teaching-learning process
- CO 3 Examine the contextual roles of different forms of assessment in schools
- CO 4 Acquaint with the new evaluation practices in education
- CO 5 Realize different dimensions of learning
- CO 6 Familiarize with various assessment procedures, tools and techniques
- CO 7 Develop an investigatory attitude through a proper understanding of the paradigms of research
- CO 8 Develop the capability for research embedded instruction
- CO 9 Integrate action research practices in the teaching-learning context
- CO 10 Develop ability in analyzing and interpreting assessment data
- CO 11 Understand the methods of finding important statistical measures and representing data using graphs

## **SEMESTER II**

### **EDU-09.1: CURRICULUM AND RESOURCES IN A DIGITAL ERA : MALAYALAM EDUCATION**

**(Theoretical Discourse – 60 hours & CE – 30 hours)**

#### **Objectives**

- C O 1 To get acquainted with principles/concepts of curriculum construction, Kerala curriculum frameworks and different types of curriculum etc.
- C O 2 To understand the Methods, approaches, strategies of teaching Malayalam language and literature.
- C O 3 To get familiarized with the e- resources for teaching/learning Malayalam.
- C O 4 To incorporate e-resources in the pedagogic content knowledge analysis of Malayalam.
- C O 5 To understand the basic theories/concepts/perspectives of language acquisition, Chomsky's conceptions on language, the whole language approach etc.

## **SEMESTER II**

### **EDU-10.1: Techno Pedagogic Content Knowledge Analysis– MALAYALAM**

**(Theoretical Discourse – 60 hours & CE – 30 hours)**

#### **Objectives**

- To get familiarized with the concept of Techno Pedagogic Content Knowledge Analysis.
- To understand the concepts related to integrated approach in teaching Malayalam.
- To understand concepts related to community based teaching and learning.
- To get acquainted with principles/concepts of teaching prose, poetry, grammar and composition.
- To understand the concept 'models of teaching, and to practice various models.

## **EDU - 09.2: Curriculum and Resources in Digital Era: English Education.**

**(Theoretical Discourses – 60 & CE – 30 hours )**

### **Objectives :**

- To familiarize with concepts related to Curriculum and Syllabus.
- To develop an understanding of the need and scope of school-community linkage.
- To identify and critique different types of Course Books.
- To explore possibilities of collaborative and cooperative learning.
- To sensitize with ways of engaging classes in inclusive settings.
- To evoke a need to regularly update research in the field of ELT

## **EDU - 10.2:Techno Pedagogic Content Knowledge Analysis: English**

**HOURS OF INTERACTIONS: 60 (Instructions) + 30(Activities/Processes) = 90 Hrs**

### **Objectives**

- To familiarize with concept of teacher as a Techno-pedagogue.**
- Identity ways of networking both for knowledge enrichment and instruction.**
- Familiarize with the scope and possibilities of Models of teaching as an instructional design.**
- Develops an awareness of global trends in English Language education.**

**EDU 09 . 7 : CURRICULUM AND RESOURCES IN DIGITAL ERA: MATHEMATICS EDUCATION**

**(Theoretical Discourse - 60 hrs, CE - 30 hrs)**

**COURSE OUTCOME (CO):**

- **CO 1 To strengthen the experience of the promising student teachers as Mathematics curriculum designers, transmitters and assessors**
- **CO 2 To develop a neo humanistic attitude among the student teachers in the light of Mathematics-Technology-Society-Environment paradigm**
- **CO 3 To undertake a self empowerment initiative in transacting the Mathematics Curriculum from a digital outlook**
- **CO 4 To provide the required research based Mathematics learning experiences so as to undertake a habit of self development through inquiry and investigation**

**EDU 10.7 : TECHNO- PEDAGOGIC CONTENT KNOWLEDGE ANALYSIS: MATHEMATICS**

**(Theoretical Discourse - 60 hrs, CE - 30 hrs)**

**COURSE OUTCOME (CO):**

- **CO1:To undertake a self-empowerment initiative in transacting the Mathematics curriculum from a Techno-**
- CO2:Pedagogical Content Knowledge perspective**
- **CO3:To get acquainted with different aspects of collaborative use of information communication technology**
- **CO4:To gain a perspective of basic theories and guiding plans for effective transaction of Mathematics.**
- **CO5:To understand the nature and importance of Mathematics from a global perspective**

## EDU- 09.8: CURRICULUM AND RESOURCES IN DIGITAL ERA: PHYSICAL SCIENCE EDUCATION

(Theoretical discourses - 60 hrs, CE - 30 hrs)

### **COURSE OUTCOME (CO):**

- CO 1 To strengthen the experience of the promising student teachers as Science curriculum designers, transmitters and assessors
- CO 2 To develop a humanistic attitude among the student teachers in the light of Science-Technology-Society-Environment paradigm
- CO 3 To undertake a self-empowerment initiative in transacting the Physical Science Curriculum from a digital migrant outlook
- CO 4 To provide the required research based science learning experiences so as to undertake a habit of self-development through inquiry and investigation

## EDU – 10.8: TECHNO-PEDAGOGIC CONTENT KNOWLEDGE ANALYSIS – PHYSICAL SCIENCE

(Theoretical Discourses - 60 hrs, CE - 30  
hours)

### **COURSE OUTCOME (CO):**

- CO 1 To undertake a self-empowerment initiative in transacting the Physical Science curriculum from a Techno-Pedagogical Content Knowledge perspective
- CO 2 To get acquainted with different aspects of collaborative use of information communication technology
- CO 3 To gain a perspective of basic theories and guiding plans for effective transaction of physical science
- CO 4 To understand the nature and importance of physical science from a global perspective

## **EDU – 09 . 9 : CURRICULUM AND RESOURCES IN DIGITAL ERA : NATURAL SCIENCE EDUCATION**

**(Theoretical discourses -50 Marks/60 hours & CE-25 Marks /30 hours)**

### **COURSE OUTCOME (CO):**

Enable the student teachers:

- CO 1 To understand the different types of resources for teaching Natural Science.
- CO 2 To locate different reference materials related with Biological Science.
- CO 3 To identify the school and community resources for better Biological Science learning.
- CO 4 To familiarize and understand the natural resources, man-made resources in teaching Natural Science.
- CO 5 To familiarize the different club activities related with Natural Science.
- CO 6 To understand the steps of organizing field trip, excursion, science fair & exhibition.
- CO 7 To understand the different approaches of organizing Biological Science curriculum.
- CO 8 To familiarize the modern trends in curriculum movements in India and abroad.
- CO 9 To familiarize and understand the e-learning resources for teaching Natural Science.
- CO 10 To identify research inputs in genetic engineering, medical field & environmental issues.

## **EDU – 10. 9 : TECHNO-PEDAGOGIC CONTENT KNOWLEDGE ANALYSIS -NATURAL SCIENCE.**

**(Theoretical Discourses -50 Marks/60 hours & CE-25 Marks /30 hours)**

### **COURSE OUTCOME (CO):**

Enable the student teacher:

- CO 1 To develop understanding and application of Techno-Pedagogic Content Knowledge Analysis
- CO 2 To develop skill in preparation and practice of Technology Enhanced Learning Materials.
- CO 3 To understand and apply Online Assessment and Competency Enhancement Avenues.
- CO 4 To identify Net Working as a means of Personal and Professional Growth
- CO 5 To understand Classroom Management Principles Essential for Effective Pedagogic Transaction.
- CO 6 To get an idea about Global Trends in Science Education.
- CO 7 To familiarize The Modern Trends in Science Education at Global Level.
- CO 8 To get an idea about Self Instructional Strategies.
- CO 9 To understand about Self Instructional Strategies.

**EDU - 09.10 : CURRICULUM AND RESOURCES IN DIGITAL ERA: SOCIAL SCIENCE EDUCATION**  
(Theoretical Discourses -50 Marks/60 hours & CE-25 Marks /30 hours)

**COURSE OUTCOME (CO):**

- CO 1 To get acquainted with modern principles and trends in the construction and organization of Social Science curriculum
- CO 2 To become equipped in retrieving suitable teaching learning resources
- CO 3 To attain proficiency in IT enabled instructional resources and to become talented in applying innovative strategies and approaches for instructional effectiveness.
- CO 4 To generate a broad perspectives of e-resources in instructional practices and to develop skill in retrieving and transacting Social Science curriculum through e-resources.
- CO 5 To develop a positive attitude towards research for curriculum development and to adopt & develop innovative teaching learning strategies.

## **EDU – 10.10 : TECHNO PEDAGOGIC CONTENT KNOWLEDGE ANALYSIS – SOCIAL SCIENCE**

**(Theoretical Discourses -50 Marks/60 hours & CE-25 Marks /30 hours)**

### **COURSE OUTCOME (CO):**

- CO 1 To conscientize the prospective teachers become a techno- pedagogue and become aware of the concept TPCK
- CO 2 To grow to be competitive in designing digital texts and e-content in Social Science
- CO 3 To familiarize with the networking system for institutional and professional growth.
- CO 4 To get acquainted with the need of creating e-mail and blogs for pedagogical analysis.
- CO 5 To prepare the prospective teachers as reflective practitioners

## **EDU – 201.2 : Health and Physical education**

**( 2 credits – 60 hours & 50 marks )**

### **COURSE OUTCOME (CO):**

- CO 1 To acquire knowledge about the Track and Field events.
- CO 2 To become familiar with major and minor games and to develop interest in sports and games
- CO 3 To understand the ability to organize and conduct sports and games
- CO 4 To understand the importance and values of recreational activities in the modern society
- CO 5 To understanding of the psychological, sociological, and physiological significance of play & recreation.

## **SEMESTER III**

### **SEMESTER – III**

**Instructional hours per Subject : 90 hours (Theoretical Discourses – 60 & CE – 30 hours)**

**Perspectives in Education/Core Subjects:**

**EDU - 11 : Developmental Perspectives of Education.**

**EDU - 12 :Learner in the Educational Perspective.**

**Curriculum and Pedagogic courses/Optional subjects:**

**EDU - 13. 1-13 : Emerging Trends and Practices in .....Education.**

## **EDU - 11: Developmental Perspectives in Education.**

**(Educational Management, Environmental Education, Health Education and Entrepreneurship Education)**

**(Theoretical discourse 60 and CE - 30 hrs)**

Course Objective(CO):

- CO 1 To develop an understanding of the concept of Management and Educational management.
- CO 2 To discuss the contribution which management theory can make to understanding management practices
- CO 3 To explain the meaning of the terms: management and leadership in education
- CO 4 To develop an understanding of how to apply knowledge, skills and attitudes in educational management to enable more effective resource planning, organization and co-ordination of school programmes and activities, and directing, controlling and evaluating of the teaching and learning processes in school.
- CO 5 To familiarize with the Total Quality Management in Education
- CO 6 To develop entrepreneur interests and skills in students enabling them to explore career prospects.
- CO 7 To develop an understanding of Environmental Education
- CO 8 To create an awareness of environmental movements, laws and rights and to practice eco friendly life style.
- CO 9 To sensitize towards disaster management
- CO 10 To sensitize towards the concept of sustainable development.
- CO 11 To develop knowledge of the fundamentals of Health, Health Education and Physical fitness.
- CO 12 To Guide the next generation to live with social commitment and obligations.

## **EDU – 12 : LEARNER IN THE EDUCATIONAL PERSPECTIVE**

**(Theoretical Discourses – 45 hours & CE – 25 hours)**

### **COURSE OUTCOME**

- CO 1:** To integrate the values among learners
- CO 2:** To synthesis the role of learning for meaningful existence
- CO 3:** To understand rights and duties of an Indian citizen
- CO 4:** To develop an attitude to eliminate gender bias in educational institutions and society
- CO 5:** To familiarise the life skills among the learners
- CO 6:** To practice and enhance the mental and physical strength among students
- CO 7:** To acquaint with the guidance and counselling procedures
- CO 8:** To understand professional ethics
- CO 9:** To equip student teachers professionally competent for inclusive classrooms.

## **Sem III EDU-13.1: Emerging Trends and Practices in Malayalam Education**

**(Theoretical Discourse – 60 hours & CE – 30 hours)**

### **Course Outcome (CO)**

- CO 1 To get familiarized with the modern instructional management and self-instructional methods and strategies.
- CO 2 To get acquainted with assessment strategies of Malayalam education.
- CO 3 To understand the importance of resources in teaching and learning Malayalam.
- CO 4 To get familiarized with the theory and practice of different language discourses.

**EDU 13.2 : Emerging Trends and Practices in English Education**

(Theoretical discourses – 60 & CE – 30 hours )

**Course Outcome (CO)**

- CO 1 To familiarize with emerging trends in English language education
- CO 2 Develop an awareness of strategies for assessment in English
- CO 3 Explore possibilities of ICT- based material design for curriculum transaction.
- CO 4 Identify ways of professionalizing Language Education in a
- CO 5 Techno-pedagogic scenario.

**EDU 13 .7: EMERGING TRENDS AND PRACTICES IN MATHEMATICS EDUCATION**  
(Theoretical Discourse - 60 hrs, CE - 30 hrs)

**Course Outcome (CO)**

**CO1:To strengthen the experience of adopting modern strategies and to undertake contextual challenges as a Mathematics Education professional**

**CO2:To get a field based understanding of theories and principles of pupil assessment and evaluation**

**CO3:To identify the Entrepreneurial opportunities of futuristic significance associated with the Mathematics Education.**

**CO4:To enrich the vision and capabilities of prospective mathematics teachers as reflective practitioners during and after the pre-service education.**

## **EDU – 13.8: EMERGING TRENDS AND PRACTICES IN PHYSICAL SCIENCE EDUCATION**

**(Theory - 60 hrs, CE - 30 hrs)**

### **Course Outcome (CO)**

CO 1 To strengthen the experience of adopting modern strategies and to undertake contextual challenges as a Science Education professional

CO 2 To get a field based understanding of theories and principles of pupil assessment and evaluation

CO 3 To familiarize with various curriculum transaction materials using techno-pedagogy

CO 4 To enrich the vision and capabilities of prospective science teachers as reflective practitioners during and after the pre-service education.

## **EDU - 13. 9 : EMERGING TRENDS & PRACTICES IN NATURAL SCIENCE EDUCATION**

**(Theoretical Discourses -50 Marks/60 hours & `CE-25 Marks /30 hours)**

### **Course Outcome (CO)**

- CO 1 Prepare different types of assessment and evaluation tools in classroom teaching
- CO 2 Familiarize latest teaching-learning techniques like jig-saw learning, m-learning, circle learning, etc.
- CO 3 Equip in using online resources in teaching learning process.
- CO 4 Observe the various aspects associated with teaching-learning process
- CO 5 Identify the learning facilities especially in the smart class room, in the school & its implementation
- CO 6 Observe online resources in teaching learning process individually or in small groups
- CO 7 Meet the student's digital need and their interest in learning through multi-media
- CO 8 Swot analysis through self reflection, peer evaluation & supervising teacher about their performance.
- CO 9 Reflect the different views about the curriculum transaction
- CO 10 Understand about advantages & disadvantages of reflective learning.

**EDU - 13.10 : EMERGING TRENDS AND PRACTICES IN SOCIAL SCIENCE EDUCATION**  
**(theoretical discourses-60 hours & CE – 30 hours)**

**Course Outcome (CO)**

- CO 1 To identify and practice modern instructional strategies in Social Science.
- CO 2 To get acquainted with the principles and practices of feedback mechanisms.
- CO 3 To become capable of designing and implementing various performance tests.
- CO 4 To inculcate a broad perspective of individualized instruction
- CO 5 To develop skills in preparing programmed instruction materials and modules
- CO 6 To prepare the prospective teachers as reflective practitioners

## **EDU – 301.2 : Health and Physical Education.**

**(1credits – 30 hours & 25 marks )**

### **Course Outcome (CO)**

- CO 1** Acquire knowledge of the fundamentals of Health, Health Education and Physical fitness.
- CO 2** Provide knowledge and understanding regarding the scientific basis and benefits of Physical activity.
- CO 3** Develop right attitudes and habits for a healthy living in personal and community life.
- CO 4** To impart knowledge regarding food and nutrition, first aid and the importance of posture.
- CO 5** Develop awareness about various diseases and their prevention.
- CO 6** Guiding the next generation to live with social commitment and obligations.

## **SEMESTER – IV**

**Instructional hours per Subject : 90 (Theoretical Discourses – 60 & CE – 30 hours)**

### **Perspectives in Education/Core Subjects:**

**EDU-14 : Advanced Studies : Perspectives in Education.**

### **Curriculum and Pedagogic courses/Optional subjects:**

**EDU-15. 1-13 : Advanced Studies : Curriculum and Pedagogic Courses in .....Education.  
CE – Preparation of MCQ test battery.**

## **EDU – 14 : ADVANCED STUDIES: PERSPECTIVES IN EDUCATION**

### **Course Outcome (CO)**

CO 1 To synthesise acquired knowledge and skills for professional competency

CO 2 To equip student teachers to meet the challenges in classrooms

CO 3 To preserve the culture and values of nation

CO 4 To develop managerial skills to maintain an effective institutional climate

CO 5 To apply the modern trends in assessment and evaluation in education

CO 6 To integrate the knowledge of ICT in curriculum transaction

## SEMESTER IV

### EDU – 15.7 : ADVANCED STUDIES : CURRICULUM AND PEDAGOGIC COURSES IN MATHEMATICS EDUCATION

(Theoretical Discourse - 60 hrs, CE - 30 hrs)

#### Course Outcome (CO)

CO 1 understand the concept of teaching- learning process.

CO 2 understand and develop skill in selecting appropriate aims and objectives for teaching Mathematics.

CO 3 To identify the changing roles of the teacher

CO 4 familiarize and apply the instructional management strategies of teaching Mathematics.

CO 5 understand and apply online assessment and competency enhancement avenues.

CO 6 identify net working as a means of personal and professional growth

CO 7 develop skill in the preparation of different types of schedules and matrix for assessing performance.

CO 8 To understand and practice various models of teaching in classrooms

CO 9 prepare different types of test items for assessment.

CO 10 To understand and practice modern methods of assessment

CO 11 Develop skill in constructing and administering Achievement test & Diagnostic tests.

CO 12 familiarize & understand about Modern Trends in Evaluation like Continuous comprehensive evaluation& Rubrics designing

CO 13 To understand the meaning of reflective practices to prepare tools for evaluation of reflective practices

## **SEMESTER IV**

### **EDU – 15.8: ADVANCED STUDIES: CURRICULUM AND PEDAGOGIC COURSES IN PHYSICAL SCIENCE EDUCATION**

#### **Course Outcome (CO)**

CO 1 Enrich subject competencies in teaching Physical Science

CO 2 Integrate various approaches, strategies and techniques in teaching Physical Science

CO 3 Update the different modern trends in assessment in teaching

CO 4 Equip with web based teaching and learning

CO 5 Deal children with special needs

CO 6 Evaluate students objectively and also objective based

CO 7 Construct test items to assess different levels of thinking in three domains

CO 8 Familiarize various competitive/placement examinations for secondary and higher secondary school students, graduates and post graduates

CO 9 Professionalize teaching through understanding various roles of teacher

CO 10 Understand various means of professionalization

## **EDU – 15.9 : ADVANCED STUDIES : CURRICULUM AND PEDAGOGIC COURSES IN NATURAL SCIENCE EDUCATION**

### **Course Outcome (CO)**

CO 1 Enrich subject competencies in teaching Natural Science

CO 2 Understand the concept of teaching- learning process.

CO 3 Understand and develop skill in selecting appropriate aims and objectives for teaching natural science.

CO 4 Develop skill in the preparation of various instructional materials for enhancing the effectiveness of instruction and remediation.

CO 5 Familiarize and apply the instructional management strategies of teaching natural science

CO 6 Professionalize teaching through understanding various roles of teacher

CO 7 Develop a skill in constructing and administering achievement test & diagnostic tests.

CO 8 Familiarize & understand about Modern Trends in Evaluation like Continuous comprehensive evaluation& Rubrics designing.

**EDU – 15.10 : ADVANCED STUDIES : CURRICULUM AND PEDAGOGIC COURSES IN SOCIAL SCIENCE EDUCATION.**

**Course Outcome (CO)**

CO 1 To develop an insight about the world and society we live

CO 2 To identify and practice modern instructional strategies in Social Science.

CO 3 To get acquainted with the principles and practices of curricular transactions in the digital era. .

CO 4 To develop necessary skills and competencies for a teacher in digital era.

CO 5 To prepare the prospective teachers as reflective practitioner

CO 6 To inculcate a broad perspectives of social science education from a global perspective