

B.Ed Programme Learning Outcomes(PLOs) as stated in the B.Ed curriculum 2019 ,University of Kerala

1. To equip the prospective teachers capable to meet the challenges of education in a knowledge society.
2. To acquire and practice various teacher competencies through qualitative multi-level strategies and practices and the development of professionalism among them.
3. To identify and resolve the major social, intellectual and environmental issues / challenges faced by our pluralistic society and make use of the knowledge in nurturing/equipping the classroom learner to face those challenges.
4. To develop a proper value system based on the cultural, social, political and moral bases of Indian society.
5. To develop teacher-identity required of a professional through theoretical discourses, college- school – community based experiences, and reflective practices that continually evaluate the effects of his/her choices and actions.
6. To understand the central concepts, tools of inquiry, and structures of individual disciplines in the course and develop the ability to evolve meaningful learning experiences.
7. To imbibe knowledge and develop understanding of the various psychological, sociological, philosophical, environmental and technological principles and practices in respect of learners of different stages/multi level and develop the ability to facilitate effective learning.
8. To make use of the pedagogical knowledge for effective verbal, nonverbal and media-based information and communication technologies in all facets of learning to foster active inquiry, collaboration, and supportive interaction in the classroom.
9. To conceptualize various formal and informal evidence-based performance assessment strategies and develop an ability to evaluate contextually the multidimensional development of the learner.
10. To generate adequate professional capacity for performing multiple roles entrusted on him/her, enabling him/her to compete in the national and international scenario.
11. To develop his/her managerial capacities in human relations for promoting human resources for national development.
12. To internalize appropriate theoretical and practical inputs in order to render an integrated-holistic understanding about physical fitness, developing positive attitudes, values, skills and behaviour related to health and physical education and to promote health and fitness for current and future lifestyles among student teachers.
13. To develop the aesthetic quality of the prospective teachers through Art Education, theatre practices.



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Dr. ANITHA. N
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PALLIMUKKU, KOLLAM 10

UNIVERSITY OF KERALA



Two Year B. Ed. Curriculum - 2019

Credit and Semester System with Grading

FACULTY OF EDUCATION

&

BOARD OF STUDIES IN EDUCATION (Pass)



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**Course Learning Outcomes (CLOs) Stated in the B.Ed Curriculum 2019
University of Kerala**

SEMESTER I:

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

(Theoretical discourses 60 hrs & CE 30 hrs)

Course outcomes(CO):

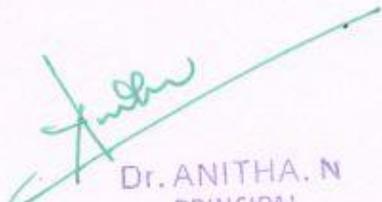
- CO 1 To recognise broad functions of education and role of teacher as a leader
- CO 2 To develop personal philosophy of teaching
- CO 3 To synthesise eclectic tendencies in teaching
- CO 4 To understand the sociological functions of education
- CO 5 To synthesise the role of teacher as a change agent and nation builder
- CO 6 To synthesise the role of education in promoting national integration and peaceful coexistence

EDU 02: DEVELOPMENTAL PERSPECTIVES OF THE LEARNER

Course outcomes(CO):

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




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EDU 03: EDUCATIONAL TECHNOLOGY & COMMUNICATION IN EDUCATION

Theory 60 hrs & practical 30 hrs)

Course Outcomes(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

EDU 04.1: THEORETICAL BASE OF MALAYALAM LANGUAGE EDUCATION

Theoretical discourse 60 hrs & CE 30 hrs)

Course outcomes(CO):

- CO 1 To get familiarise with the functional plan 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.



EDU 05.1: PEDAGOGIC CONTENT KNOWLEDGE ANALYSIS- MALAYALAM

Theoretical discourse 60 hours & CE 30 hrs

Course outcomes(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 skills.

CO 4: To develop an understanding of the basic concepts of micro teaching.

EDU 04.2 : THEORETICAL BASE OF ENGLISH LANGUAGE EDUCATION

Theoretical discourse 60 hrs & CE 30 hrs

Course outcomes(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 discourse 60 hrs & CE 30 hrs)

Course Outcomes (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)

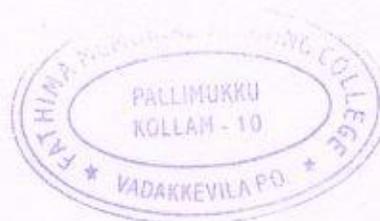
Course Outcome (CO):

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)

Course Objectives:

CO 1: To familiarize with the conceptualized version of components required to enter in teaching profession

CO 2: To mould the prospective teacher educators to uphold the professional spirit

CO 3: To equip with varied dimensions of Social Science education

CO 4: To identify and analyse the aims and objectives of teaching Social Science

CO 5: To gain an outlook of approaches in behaviorism, constructivism and cognitivism in Social Science education

CO 6: To analyze the unique features of different instructional methods suited for teaching Social Science

CO 7: 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)

Course Objectives CO:

CO 1: To understand the key aspects involved in systematic PCK analysis

CO 2: To develop skill in analyzing the content of secondary level Social Science text book

CO 3: To justify the importance and phases of instructional planning in Social Science

CO 4: To equip prospective teachers in developing teaching skills through micro teaching practices

CO 5: To conscientize the inevitable role of various instructional support in effective instructional practices.

CO 6: To become competent in developing suitable testing mechanisms.



EDU – 101.2 : Yoga, Health and Physical Education

(2 credits – 60 hours & 50 marks)

Course Outcomes:

CO 1:To get acquainted with the meaning, aims and objectives of Physical Education

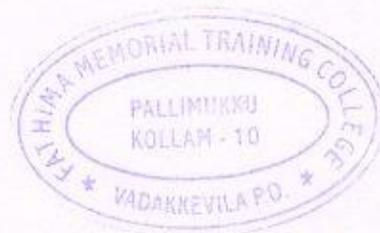
CO 2:To understand the concept of Physical fitness and chalk out physical fitness workout plans

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

EDU 06-: EDUCATION IN INDIAN SOCIETY

Hours to transact :90 hrs

Course outcomes:

- CO 1 : To Develop an understanding of the evolution of education in Indian society
- CO 2 : To identify the role of education in national development.
- CO 3 : To recognise 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(CO)

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.



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

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

(Theoretical Discourse 60 hours & CE-30 hours)

Course Objectives:

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



**EDU-10.1: TECHNO PEDAGOGIC CONTENT KNOWLEDGE ANALYSIS-
MALAYALAM**

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

Course Outcomes (CO):

- CO 1: To get familiarized with the concept of Techno Pedagogic Content Knowledge Analysis.
- CO 2: To understand the concepts related to integrated approach in teaching Malayalam.
- CO 3: To understand concepts related to community based teaching and learning.
- CO 4: To get acquainted with principles/concepts of teaching prose, poetry, grammar and composition.
- CO 5: 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)

Course Outcomes (CO) :

- CO 1: To familiarize with concepts related to Curriculum and Syllabus.
- CO 2: To develop an understanding of the need and scope of school-community linkage.
- CO 3: To identify and critique different types of Course Books.
- CO 4: To explore possibilities of collaborative and cooperative learning.
- CO 5: To sensitize with ways of engaging classes in inclusive settings.
- CO 6: 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**

Course Outcomes (CO):

- CO 1: To familiarize with concept of teacher as a Techno-pedagogue.
- CO 2: Identify ways of networking both for knowledge enrichment and instruction.
- CO 3: Familiarize with the scope and possibilities of Models of teaching as an instructional design.
- CO 4: 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

EDU10.7: 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-:PedagogicalContentKnowledge perspective

• CO2:To get acquainted with different aspects of collaborative use of information communication technology

• CO3:To gain a perspective of basic theories and guiding plans for effective transaction of Mathematics.

• CO4: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.
- CO10: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 acquaint 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

EDU 11: DEVELOPMENTAL PERSPECTIVES IN EDUCATION

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

Theoretical discourse 60 and CE 30 hrs

Course Objectives(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 coordination 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 lifestyle.
- 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.

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 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 perspectives of individualized instruction
- CO 5 To develop skills in preparing programmed instruction materials and modules
- CO 6 To prepare the prospective teachers as reflective practitioner



EDU 301.2 :HEALTH AND PHYSICAL EDUCATION

(1 Credit - 30 hrs & 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

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

EDU 15.7 : ADVANCED STUDIES: CURRICULUM AND PEDAGOGIC COURSE 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 networking 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 familiarise & 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 .



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 postgraduates
- 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 acquaint 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.



A handwritten signature in green ink, appearing to read "Anitha", written over a horizontal line.

Dr. ANITHA. N
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