Shri Lal Bahadur Shastri Degree College, Gonda

Department of Teacher Education (B.Ed.)

CHILDHOOD AND GROWING UP

Type	Certificate
Duration :	30 hours
Level :	Undergraduate
Session:	2021-22

The Course offers an introduction to the study of childhood, child development and adolescence. It aims to make you think effectively about the developmental process of the child and the interplay of poverty, class and gender in child development. This Course will widen your knowledge about child development; stimulate you to know more about the debates in childhood and adolescence, and the importance of understanding childhood and adolescence in the teaching-learning process. The course will be offered for 30 hours (45 minutes per day). There will be weekly quiz and term-end examination for assessment of this Course.

Duration(30 hours)	Content
135 Minutes(3 Days)	Concept of Childhood and Adolescence
135 Minutes(3 Days)	Socialization and Growing Up in Diverse Contexts
135 Minutes(3 Days)	Agencies of Socialization
135 Minutes(3 Days)	Understanding Growth and Development
180 Minutes(4 Days)	Different Perspectives in Child Development
90 Minutes(2 Days)	Dimensions of Child Development
270 Minutes(6 Days)	Methods of Studying Children and Adolescents
90 Minutes(2 Days)	Growing Up with Media
135 Minutes(3 Days)	Issues Affecting Adolescents
270 Minutes(6 Days)	Life Skills Education for Adolescents
180 Minutes(4 Days)	Child Rights and Legislation

Principal
Prof. Ravindra Kumar

SHRI LAL BAHADUR SHASTRI DEGREE COLLEGE, GONDA

Certificate Course

Department of B.Ed.

STATISTICS IN EDUCATION

Course Objectives   **Duration: 30 Hours**

The purpose of this course is to present an introduction to statistics that emphasizes on a conceptual understanding of statistical ideas, interpretation of results, and written communication of statistical procedures and findings.

Student Learning Outcomes

After successfully completing this class, students shall be able to:
- Examine and summarize data visually using tables and figures summarize data numerically using descriptive statistics (measures of central tendency and variability).
- Understand the characteristics of theoretical distributions that are the basis of statistical analyses.
- Test research questions using inferential statistics.
- Understand errors of inference that can occur in hypothesis testing.
- Communicate the rationale for and results of statistical analyses.

COURSE CONTENT

1. Things you should know from class discussions or readings

    a. Symbols for Populations and Samples
    b. Population
    c. Sample
    d. Variables
    e. Measurements
    1. Interval Scale
    2. Ordinal Scale
    3. Nominal Scale
    4. Ratio Scale

2. Measures of Central Tendency

    a. Mean for Ungrouped Data
    b. Discrete and Continuous Data
    c. Real Limits
    d. Interval Size

    e. Midpoints

    f. Graphing

          1. Histogram
          2. Frequency Polygon
          3. Cumulative Frequency Polygon
          4. π- Graph
          5. Ogive

    g. Mean for Grouped Data

    h. Median for Ungrouped Data

    i. Median for Grouped Data

    j. Mode for Ungrouped Data

    k. Mode for Grouped Data

    1. Measures of Variability

    a. Variance and Standard Deviation for Ungrouped Data

    b. Variance and Standard Deviation for Grouped Data

    c. Standard Deviation and Normal Curve

4. What is Correlation?

    a. A perfect positive correlation

    b. A perfect negative correlation

    c. Spearman Rank Coefficient

    d. Pearson Product-Moment

Reference Sources:

Anderson, Alan J. B. (1989). Interpreting data: a first course in statistics. London; New York: Chapman and Hall.

Blommers, Paul J. (1977). Elementary statistical methods in psychology and education. Lanham, Md.: University Press of America.

Bohrnstedt, George W. (1988). Statistics for social data analysis. Itasca, Ill. F.E. Peacock Publishers.

Kurtz, Norman R. (1983). Introduction to social statistics. New York: McGraw-Hill.

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Department of Teacher Education (B.Ed.)

ICT Skills in Education

Course Type :	Certificate
Duration :	32 hours
Level :	Undergraduate
Session:	2021-22

Overall Objective of this course is to develop awareness among the learners about the importance and need of incorporating modern ICT Skills in education. This course will give the learner a clear understanding of what is happening to different aspects of ICT worldwide. This course is also designed in a way to make the learners critically aware about the various issues in the integration of ICT in education. After completing this course, the learner will be getting familiar with the meaning, need, and significance and emerging trends of ICT in education. This course will help the educators for up skilling themselves in accordance with the changing demands of the society.

Course Content

Day 1	Module 1	Approaches to Education Technology
Day 2	Module 2	Technological, Development and Its Impact on Education
Day 3	Module 3	The Meaning and Scope of Education Technology
Day 4	Module 4	ICT in Education
Day 5	Module 5	Role of Mass Media in Education
Day 6	Module 6	Audio Visual Technology – Meaning and Scope
Day 7	Module 7	Types of Audio-Visual Aids for Teaching
Day 8	Module 8	Projected Visual Aids of Teaching
Day 9	Module 9	Factors Influencing Media Selection for Teaching or Instruction
Day 10	Module 10	Language Laboratory
Day 11	Module 11	Fundamentals of Communication
Day 12	Module 12	Classroom Communication and Interaction
Day 13	Module13	Approaches to Instruction
Day 14	: Module14	Computer Assisted Instruction (CAI)
Day 15	Module 15	New Trends in Education: E-Learning
Day 16	Module 16	IT Education in India
Day 17	Module 17	Fundamentals of Programmed Learning (PL)
Day 18	Module 18	Web Resources for Natural Science Teaching
Day 19	Module 19	Audio Visual Aids in Social Studies Education
Day 20	Module 20	Use of Films, Community Resources, Library, Laboratory and Museum in Social Science Teaching
Day 21	Module 21	Instructional Media in Social Studies

Day 22	Module 22	Blended Learning
Day 23	Module 23	Flipped Classroom
Day 24	Module 24	Open Education Resources (OER)
Day 25	Module 25	Cloud Computing
Day 26	Module 26	Mobile Apps for Teaching and Learning
Day 27	Module 27	Integrating ICT Skills in Classroom-Changes and Challenges
Day 28	Module 28	Teachers in the Digital Era
Day 29	Module 29	National Policy on ICT in School Education
Day 30	Module 30	Artificial Intelligence
Day 31	Module 31	Free and Open Source Software's (FOSS)
Day 32	Module 32	ICT initiatives of Government of India
Assignment/Assessment		

Principal
Prof. Ravindra Kumar