



**SNDT Women's University, Mumbai**

**Master of Science  
(Home Science - Early Childhood  
Education)**

*as per NEP-2020*

**Syllabus  
(2023-24)**

## M.Sc. Home Science - Early Childhood Education

### Year I

SN	Courses	Type of Course	Credits	Marks	Int	Ext
	<b>Semester I</b>					
114211	Advanced Life Span Development (Th)	Major (Core)	4	100	50	50
114212	Theories of Behavior and Development (Th)	Major (Core)	4	100	50	50
114213	Persons with Special Needs(Th)	Major (Core)	4	100	50	50
114214	Advanced Early Childhood Education (Th)	Major (Core)	2	50	50	0
114221	Advanced Early Childhood Education (Pr)	Major (Elective)	4	100	50	50
134211	Research Methodology (Th)	Minor Stream (RM)	4	100	50	50
			<b>22</b>	<b>550</b>	<b>300</b>	<b>250</b>
	<b>Semester II</b>					
214211	Recent Trends in Curriculum Planning (Th)	Major (Core)	4	100	50	50
214212	Entrepreneurship in Early Childhood Education (Th)	Major (Core)	4	100	50	50
214213	Curriculum Designing for Young Children (Th)	Major (Core)	4	100	50	50
214214	Preschool organization and Management of programs (Th)	Major (Core)	2	50	0	50
224211	Maternal and Child Nutrition studies (Th)	Major (Elective)	4	100	50	50
244241	Internship (Professional Development and Personal Effectiveness)	OJT	4	100	50	50
			<b>22</b>	<b>550</b>	<b>250</b>	<b>300</b>

Exit option (44 credit):

Post Graduate Diploma in Early Childhood Education

**Year II**

<b>SN</b>	<b>Courses</b>	<b>Type of Course</b>	<b>Credits</b>	<b>Marks</b>	<b>Int</b>	<b>Ext</b>
	<b>Semester III</b>					
314211	Research and Statistical Applications (Th)	Major (Core)	4	100	50	50
314212	Human Resource Development (Th)	Major (Core)	4	100	50	50
314213	Counselling and Intervention during Foundation Years (Th)	Major (Core)	4	100	50	50
314214	Science of parenting (Th)	Major (Core)	2	50	0	50
324211	Instructional Technology (Pr)	Major (Elective)	4	100	50	50
354231	Research Project	RP	4	100	50	50
			<b>22</b>	<b>550</b>	<b>250</b>	<b>300</b>
	<b>Semester IV</b>					
414211	Research Applications in Early Childhood Education	Major Core	4	100	50	50
414232	Internship	Major (Core)	4	100	50	50
414213	Product Development	Major (Core)	4	100	50	50
424211	Observation and Assessment of Children	Major (Elective)	4	100	50	50
454231	Dissertation	RP	6	150	100	50
			<b>22</b>	<b>550</b>	<b>300</b>	<b>250</b>

### 3.1 Major (Core)

<b>Course Title</b>	<b>Research and Statistical Application</b>
<b>Course Credits</b>	4 (Theory)
<b>Course Outcome</b>	<p>On completion of the course, the student will be able to</p> <ol style="list-style-type: none"> <li>1. Employ appropriate statistical test and interpretation results and discuss.</li> <li>2. Discriminate between parametric and non-parametric tests</li> <li>3. Apply statistical tests for data analysis for both large and small samples</li> <li>4. Demonstrate knowledge and skills to compute and incorporate most suitable statistics.</li> <li>5. Demonstrate competence in statistical designs and interpretations.</li> <li>6. Summarize data and present it using tables and graphs</li> </ol>
<b>Module 1(Credit 1): Statistics: Meaning and uses</b>	
<b>Learning Outcomes</b>	<p>At the end of the module, the students will be able to:</p> <ol style="list-style-type: none"> <li>1. Calculate different statistical tests</li> <li>2. Calculate and use parametric tests (Parametric and Non parametric)</li> <li>3. Data Presentation</li> </ol>
<b>Content Outline</b>	<p>Unit 1: Statistics: Meaning and uses            Definition, conceptual understanding of statistical measures, popular concepts and uses of statistics.</p> <p>Unit 2: Normal Distribution and its Properties</p> <ol style="list-style-type: none"> <li>a) Normal distribution</li> <li>b) Binomial distribution</li> <li>c) Probability, use of normal probability tables, area under normal distribution curve</li> <li>d) Parametric and non-parametric tests</li> </ol> <p>Unit 3: Data Organization and Management</p> <ol style="list-style-type: none"> <li>a) Tabulation and Organization of data- frequency</li> <li>b) Distributions, cumulative frequency distribution, contingency tables</li> <li>c) Graphical presentation of data- histogram, frequency</li> <li>d) Polygon, ogive, stem and leaf plot, box and whiskers Plot,</li> <li>e) Graphs for nominal and ordinal data- pie diagram,</li> </ol>

	<p>f) Bar graphs of different types, graphs for relation between two variables, line diagram.</p> <p>g) Use of illustrations</p> <p>h) Cautions in visual display of data</p> <p>i) Use of Statistical programs, MS Excess, SPSS</p>
<b>Module 2 (Credit 1): Data Analysis</b>	
<b>Learning Outcomes</b>	<p>At the end of the module, the students will be able to:</p> <ol style="list-style-type: none"> <li>1. Differentiate quantitative analysis, descriptive statistic and inferential analysis</li> <li>2. Calculate measures of central tendencies, measures of variability</li> <li>3. Interpret big and small data by using different tests</li> </ol>
<b>Content Outline</b>	<p>Unit 1: Quantitative analysis, descriptive statistics, inferential statistics: Uses and limitations, Summation sign and its properties</p> <p>Unit 2: Proportions, percentages, ratios</p> <p>Unit 3: Measures of central tendency-mean, median, mode- arithmetic mean and its uses, mid – range, geometric mean, weighted mean</p> <p>Unit 4: Measures of variability- range, variance, standard deviation, standard error, coefficient of variation, Kurtosis, skewness</p> <p>Grouped data-frequency distribution, histogram, frequency polygons, percentiles, quartiles, tertiles, ogive curves.</p> <p>Unit 5: Big and Small Sample tests and interpretation</p> <ul style="list-style-type: none"> <li>- Z-test for single proportions and difference between proportions</li> <li>- Large sample test for single mean and difference between means</li> <li>- Small sample tests- 't'-test, paired 't'-test, 'F' Test</li> </ul>
<b>Module 3 (Credit 1): Association, Predictions and other methods</b>	
<b>Learning Outcomes</b>	<p>At the end of the module, the students will be able to:</p> <ol style="list-style-type: none"> <li>1. Calculate and interpret correlation values</li> <li>2. Calculate regression values and interpret</li> <li>3. Apply ANOVA to study mean values in state significance level</li> <li>4. Set design for studying different variables</li> </ol>
<b>Content Outline</b>	<p>Unit 1: Association, Predictions and other methods</p> <ol style="list-style-type: none"> <li>1) Correlation: product moment, partial correlation, special correlations. (Chi square test and its interpretation)</li> <li>2) Linear regression</li> <li>3) Multiple regressions, logistic regression</li> <li>4) Nonparametric correlations: Kendall's tau; Spearman's rho; measures for nominal data, chi square, binomial test, proportions test.</li> </ol> <p>Unit 2: Analysis of Variance and its interpretation</p>

	1) One-factor analysis of variance 2) Two-factor analysis of variance Unit 3: Design of Experiments 1) Completely randomized design 2) Randomized block design 3) Latin square design 4) Factorial design
<b>Module 4 (Credit 1): Inferential Statistics</b>	
<b>Learning Outcomes</b>	At the end of the module, the students will be able to: <ol style="list-style-type: none"> <li>1. Compare inferential statistics</li> <li>2. Determine confidence level</li> <li>3. Analyze within and among groups differences</li> <li>4. Analyze multi variations in results</li> </ol>
<b>Content Outline</b>	Two group differences: t test- independent and dependent samples. Bootstrapping <ol style="list-style-type: none"> <li>1. Correlation r – value</li> <li>2. Chi- square, frequency count</li> <li>3. Multi-group differences: one-way ANOVA: independent and dependent samples. Two-way ANOVA: independent samples</li> <li>4. ANCOVA and Repeated Measure ANOVA</li> <li>5. Wilcoxon sign-rank test; median test; U test; Kruskal-Wallis test</li> <li>6. MANOVA and discriminant function analysis</li> </ol>

### **Assignments and Activities towards Comprehensive Continuous Evaluation (CCE)**

**Module 1:** Applications of Measures of central tendencies / Application of Measures of variability

**Module 2:** Develop designs to study groups comparison

**Module 3:** Differentiate between different tests

**Module 4:** Methods of Effective data presentation / Challenges of data presentations

### **References:**

1. Bell, J. (1997): Doing Your Research Project: A Guide for First-time Researchers in Education and Social Science, Viva Books, New Delhi
2. Bell, J. (1997): How to Complete Your Research Project Successfully: A Guide for First-time Researchers, UBSPD, New Delhi.
3. Bulmer, M.C. (1984): Sociological Research Methods: An Introduction, Macmillan, Hong Kong.
4. Goon, A. & Gupta, M. & Dasgupta, B. (2001) "Fundamentals of Statistics", Vol.I & II, The World Press, Calcutta,
5. Gupta, S. (2001) "Research Methodology and Statistical Techniques", Deep and Deep, New Delhi,
6. Kothari, C.R. (2000): Research Methodology: Methods and Techniques, Wishwa Prakashan, New Delhi.

7. Kumar, A. (2002): Research Methodology in Social Sciences, Sarup and Sons, New Delhi.
8. McBurney, D.H. (2001): Research Methodology, Thomson-Wadsworth, Australia.
9. Sharma, K.V.S. (2001) "Statistics made Simple: Do it yourself on PC", Prentice-Hall, New Delhi.

### 3.2 Major (Core)

<b>Course Title</b>	<b>Human Resource Development</b>
<b>Course Credits</b>	2+2 (Theory & Practical)
<b>Course Outcome</b>	<p>At the end of the course students shall be able to:</p> <ol style="list-style-type: none"> <li>1 Identify relevance of process of human resource development.</li> <li>2 Recognize the common grounds of HRD and Human Development</li> <li>3. Apply the strategies of Human Resource Development.</li> <li>4. Integrate HRD in various sectors</li> <li>5. Understand the additional issues in HRD.</li> </ol>
<b>Module 1 (Credit 1): Concept of HRD &amp; Scope</b>	
<b>Learning Outcomes</b>	<p>After learning the module the students will be able to :</p> <ol style="list-style-type: none"> <li>1.Understand the concept of HRD</li> <li>2.Design human resource policies and programs</li> <li>3.Conduct training programs for managers</li> </ol>
<b>Content Outline</b>	<p><b>Unit 1: Introduction to HRD</b> -Concept, scope, significance, goals, functions and techniques of HRD</p> <p><b>Unit 2: HRD Mechanism-</b> Managerial process &amp; skills, functions and traits of manager, Human resource planning- process of HR planning, Benefits of HR planning, problems and issues related to HR planning.</p> <p><b>Unit 3: Understanding HD and HRD-</b> Concept of Human development and HRD, relevance of HD &amp; HRD in current context of professional world</p>
<b>Module 2 (Credit 1): HRD Stratagems and Policies</b>	
<b>Learning Outcomes</b>	<p>After learning the module, the students will be able to:</p> <ol style="list-style-type: none"> <li>1.Design training programs for Employees regarding communication, leadership skills</li> <li>2. Draw job description and job designs</li> <li>3. Design advertising for recruitment</li> <li>4. Plan an induction program for new employees</li> <li>5. Design mentoring format and plan topics</li> <li>6. Plan appraisal formats</li> </ol>



<b>Content Outline</b>	<p><b>Unit 1: Motivational aspects of HRD:</b> Objectives, techniques, Maslow Theory and motivation, Herzberg's findings.</p> <p><b>Unit 2: Groups and Teams:</b> Team development and functioning, group dynamics; leadership, communication, group norms, team roles, conflict resolutions.</p> <p><b>Unit 3: Recruitment, selection and induction:</b> Job design, drawing up job description Job analysis; advertising, short listing, interviews, the induction process, competency modeling, Job enrichment</p> <p><b>Unit 4: Task analysis:</b> Performance appraisal and performance management, personal competence, Employee empowerment, Employee career growth and remuneration</p> <p><b>Unit 5: Coaching and Mentoring:</b> Meaning and objectives of mentoring, types of mentoring, roles and responsibilities of mentor.</p>
<b>Module 3 (Credit 1): HRD in different sectors</b>	
<b>Learning Outcomes</b>	<p>After learning the module, the students will be able to:</p> <ol style="list-style-type: none"> <li>1. Design and develop programs and sessions for professionals from different sectors</li> </ol>
<b>Content Outline</b>	<p><b>Unit 1:</b> HRD in Education sector</p> <p><b>Unit 2:</b> HRD in Service industry</p> <p><b>Unit 3:</b> HRD in health sector</p>
<b>Module 4 (Credit 1): HRD in current scenario and Globalization</b>	
<b>Learning Outcomes</b>	<p>After learning the module, the students will be able to:</p> <ol style="list-style-type: none"> <li>1. Develop flow charts for organizational management</li> <li>2. Maintain quality management in centers</li> <li>2. Handling grievances in organization</li> <li>3. Plan training workshops on various skills</li> <li>4. Develop ethics in self and employees</li> </ol>
<b>Content Outline</b>	<p><b>Unit 1: Quality Management</b> Organizational development, QWL (quality of work life), Total quality management.</p> <p><b>Unit 2: Human Relations and HRD:</b> Human relations training-soft skills, life skills, leadership skills Conflict management, Handling grievances in organization, maintaining discipline</p> <p><b>Unit 3: Values and ethics in HRD:</b> Organizational values, managerial values and ethics, developing Ethics in employees in field of HD/ECE.</p>

**Assignments/Activities towards Comprehensive Continuous Evaluation (CCE):**

**Module 1:**

1. Identify any three or five issues/problems at professional place and list down the
2. managerial qualities to handle those issue.
3. Compare various techniques of HRD and relate them with your organizational
4. environment.
5. Plan a workshop /event /program where HD skills and HRD skills complement each
6. other.
7. Design human resource policies and programs

**Module 2:**

1. Identify the situations at work place and apply the Maslow or X&Y theory
2. Job Advertising and job description for center
3. Design advertising for recruitment
4. Plan an induction program for new employees
5. Design mentoring format and plan topics
6. Design an appraisal form for different categories of employees

**Module 3:**

1. Plan team building activities for ECE professionals
2. Plan training workshops on soft skills for different service set ups.
3. Case study of any organization to study career growth and planning

**Module 4:**

1. Evaluate quality services and quality management in different organizations.
2. Identify conflict management skills and present report
3. Role plays on conflict resolution
4. Formulate soft skill workshops
5. Develop monthly planner for quality control and enhancement
6. Compare and contrast leadership skills of successful entrepreneurs
7. Construct flow chart for HRD and management.

**References:**

1. Armstrong, M (1999): "The Art of HRD: Human Resource Management", Crest Publishing House, New Delhi
2. Armstrong, M (2000): Strategic Human Resource Management: A Guide to Action", Kogan Page, London
3. Arya, P P and Tandon, B B (1998): "Human Resource Development". Deep and Deep Publication: New Delhi
4. Bhambra. ,A (1999): Nature of Human Resource Management, Common wealth Publishers, Nee Delhi
5. Chopra, R.K. (2001): Management of Human Resource, Kitab Mahal, Allahabad
6. Subba Rao, P. (2002): Personnel and Human Resource Management, Himalay Publishing House.

### 3.3 Major (Core)

<b>Course Title</b>	<b>Counselling and Intervention for Foundation Years</b>
<b>Course Credits</b>	4 (Theory)
<b>Course Outcome</b>	On completion of the course, the student will be able to: 1. Identify relevant areas counselling and intervention during Foundation years. 2. Create effective environment intervention strategies for early in life 3. Demonstrate the ability and skill to identify manage developmental issues during foundation years 4. Apply counselling approaches in resolving issues of early years 5. Address various behavioral problems
<b>Module 1 (Credit 1): Principles of counselling and Interventions</b>	
<b>Learning Outcomes</b>	At the end of the module, the students will be able to: 1. Identify the different areas, need counselling and intervention for foundation years 2. Realize preventive measures are more important for foundation years 3. Introduce family intervention to resolve
<b>Content Outline</b>	Unit 1: Scope and need of counselling and intervention for foundation years Unit 2: Development, Development concerns & counselling Unit 3: Developmental challenges, Prevention model for foundation years Unit 4: Preventive counselling, Remedial counselling & Family therapy
<b>Module 2 (Credit 1): Counselling for Childhood</b>	
<b>Learning Outcomes</b>	At the end of the module, the students will be able to: 1. Identify areas child and family counselling 2. Identify causes and symptoms of behavioral problems 3. Recognize risk factors for development during adolescence 4. Apply counseling process. 5. Use behavioral modification techniques
<b>Content Outline</b>	Unit 1: Areas of child counselling and role of family, intervention for developmental hazards of early development Unit 2: Counsellor qualification and qualities to work effectively with children Unit 3: Process of counselling and intervention, preconditions and setting limits for in child counselling Unit 4: Counselling skills, attitude and ethics in child counselling Unit 5: Causes, Symptoms & Management of Behavioral problems (Nail biting, Thumb sucking, Sleep talking, Sleep walking, Bed wetting, Deviant disorders)

	Unit 6: Behavior modifications and specific intervention
<b>Module 3 (Credit 1): Developmental Interventions during Adulthood</b>	
<b>Learning Outcomes</b>	At the end of the module, the students will be able to: <ol style="list-style-type: none"> <li>1. Identify developmental tasks, challenges of childhood</li> <li>2. Specify role of family and School for development during foundation years</li> <li>3. Deal with early deprivation and negative influence of mass media</li> </ol>
<b>Content Outline</b>	Unit 1: Early Childhood: Developmental tasks, Challenges and intervention Unit.2: Middle Childhood: Developmental tasks, Challenges and intervention Unit 3: Late Childhood: Developmental tasks, Challenges and intervention Unit 4: Role of family, school adjustment Unit 5: Intervention to manage- Early deprivation, influence of mass media
<b>Module 4 (Credit 1): Counselling approaches and interventions</b>	
<b>Learning Outcomes</b>	At the end of the module, the students will be able to: <ol style="list-style-type: none"> <li>1. Apply person centric approach in counselling</li> <li>2. Use behavior modification technique</li> <li>3. Relate eclectic approach to deal with problem of children</li> <li>4. Use effectively play and art therapy for children</li> </ol>
<b>Content Outline</b>	Unit 1: Person Centric approach Unit 2: Behavioral perspective- an intervention- based principles of Classical conditioning and Principles of operant conditioning Unit 3: Psychodynamic approach Unit 4: Eclectic approach in counselling Unit 5. Play and art therapy Unit 6. Solution focused

### **Assignments/Activities towards Comprehensive Continuous Evaluation (CCE):**

**Module 1:** Conduct workshops on developmental task, challenges and intervention for different for foundation years- peer or group assignment

**Module 2:** Develop module for family involvement in child development / Conduct case study on integral development during foundation years.

**Module 3:** Pamphlets on parental involvement / Develop tips risk and protective factors during foundation years

**Module 4:** Awareness program on biological and physical concerns of childhood

### **References:**

1. Cindy, L., Juntunen, Donald, R., and Etkinson, R (2002) Counselling Across Life Span (Prevention and Treatment) Ed. Sage 2002
2. Madhukar, I. (2000) "Guidance and Counseling", Authors Press.
3. Satya, B.N. (2002) "Guidance and Counseling", Abhishek Publication, Chandigarh.

4. R., Jo Bbner-Landy, Gilli, S., Brace,C. (2002). Counselling in Schools. New Delhi: Sage Publications Ltd 2.
5. Lewis, J.A., Dana, R.Q., Blevins, G.A. (2011). Substance Abuse Counselling (4th ed.). Belmont, C.A: Brooks/Cole, Cengage Learning. 4. Velleman, R. (2011). Counselling for Alcohol Problems (3rd ed.). New Delhi: Sage Publications.

### 3.4 Major (Core)

<b>Course Title</b>	<b>Science of Parenting (Th)</b>
<b>Course Credits</b>	2 (Th)
<b>Course Outcomes</b>	<p>After going through the course, learners will be able to</p> <p>CO. 1 Promote a healthy development of children through sharing scientific evidence</p> <p>CO.2 Integrate science-based tools and strategies to deal with some of the most common parenting challenges</p> <p>CO.3 Use skills to prevent and manage negative behaviors and effectively discipline and coach children toward better behaviors</p> <p>CO.4 Formulate strategies to develop skills for parenting</p>
<b>Module 1 (Credit 1) PARENTING STYLES</b>	
<b>Learning Outcomes</b>	<p>After learning the module, learners will be able to:</p> <ol style="list-style-type: none"> <li>1. Understand the concept of parenting</li> <li>2. Develop insight into 7 C's of parenting</li> <li>3. Differentiate between parenting styles</li> <li>4. Assess parenting styles and its effect on the growing child</li> <li>5. Reflect on parenting stress, causes and dealing with it</li> <li>6. List down skills required in good parenting</li> </ol>
<b>Content Outline</b>	<p>Unit 1: Concept of Parenting</p> <p>Unit 2: Positive parenting and why is it powerful?</p> <p>Unit 2: Ways to provide positive parenting</p> <p>Unit 2: 7 C's of parenting</p> <p>Unit 3: Parenting styles and its effect on the growing child</p> <p>Unit 4: Parenting stress, causes and dealing with it</p> <p>Unit 5: Skills required in good parenting</p>
<b>Module 2 (Credit 1) Developing parent-child relationship</b>	
<b>Learning Outcomes</b>	<p>After learning the module, learners will be able to:</p> <ol style="list-style-type: none"> <li>1. Understand the role of a parent as coach</li> <li>2. Identify the role of father in parenting</li> <li>3. Caring for children with special needs</li> <li>4. Deal with behavioral problems and promoting good behaviors</li> <li>5. Use discipline to stop negative behaviors</li> <li>6. Determine the effect of praise on kids</li> <li>7. Reflect on the steps for effective parent</li> </ol>

<b>Content Outline</b>	Unit 1: Role of a parent as coach Unit 2: Role of father in parenting Unit 3: Behavioral problems and dealing with it Unit 4: Types of discipline Unit 5: Steps for effective parent
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**Assignments/Activities towards Comprehensive Continuous Evaluation (CCE):**

**Module 1:** Presentations/ Article reviews on Parenting styles

**Module 2:** Creating a model for awareness guidelines for community related to positive parenting/Creating a booklet on various topics related to parenting/ Role play on behavioral problems.

**References:**

1. Amato, P. R., & Fowler, F. (2002). Parenting practices, child adjustment, and family diversity. *Journal of Marriage and Family*, 64(3), 703-716.
2. Chen, Y., Kubzansky, L. D., & VanderWeele, T. J. (2019). Parental warmth and flourishing in mid-life. *Social Science & Medicine*, 220, 65-72.
3. Eyberg, S. M., & Funderburk, B. W. (2011). Parent-child interaction therapy: Treatment manual. Unpublished manuscript, University of Florida at Gainesville.
4. McNeil, C., & Hembree-Kigin, T. L. (2011). Parent-child interaction therapy (2nd ed.). New York: Springer Science & Business Media.
5. Yogman, M., Garner, A., Hutchinson, J., Hirsh-Pasek, K., & Golinkoff, R. M. (2018). The power of play: A paediatric role in enhancing development in young children. *Paediatrics*, 142(3), 1-17.

### 3.5 Major (Elective)

<b>Course Title</b>	<b>Instructional Technology</b>
<b>Course Credits</b>	<b>4 (Pr)</b>
<b>Course Outcomes</b>	After going through the course, learners will be able to <ol style="list-style-type: none"> <li>1. Create digital stories and games as teaching aid.</li> <li>2. Prepare Instructional Model for Training Programs.</li> <li>3. Develop models for interacting with children more meaningfully.</li> <li>4. Integrate knowledge of technology to communicate with parents and other stakeholders.</li> <li>5. Use technological tools to effectively stimulate the children's development.</li> <li>6. Demonstrate skills to use ICT tools to create brochures, posters, leaflets, flyers for preschool programs.</li> </ol>
<b>Module 1 (Credit 1) Instructional Design</b>	
<b>Learning Outcomes</b>	After learning the module, learners will be able to <ol style="list-style-type: none"> <li>1. Know the emergence of Instructional technology</li> <li>2. Use instructional models</li> <li>3. Use mobiles devices and various soft wares and application</li> </ol>
<b>Content Outline</b>	<p>Unit 1: Instructional Systems Design: The meaning &amp; historical evolution of the Idea</p> <ul style="list-style-type: none"> <li>• Influence of Cognitive load theory by Sweller on Instructional Design</li> <li>• Influence of Gagne's Theory of instruction on instructional design</li> </ul> <p>Unit 2: Instructional Models</p> <ul style="list-style-type: none"> <li>• ADDIE model of instruction</li> <li>• Systems Approach to instruction Dick &amp; Carey's model</li> <li>• Motivational Design ARCS model of John Keller</li> </ul> <p>Unit 3: Electronic Technology and instructional design</p> <ul style="list-style-type: none"> <li>• Personal Computing Devices and instructional design</li> <li>• Internet and its influence on instructional design</li> </ul>
<b>Module 2 (Credit 1): Instructional for young children in Early Literacy &amp; Numeracy</b>	
<b>Learning Outcomes</b>	At the end of the module, the students will be able to: <ol style="list-style-type: none"> <li>1. Create content on given topics and deliver content by using different technology tools</li> <li>2. Convert content into local language</li> <li>3. Create PPT's, Videos</li> </ol>
<b>Content Outline</b>	<p><b>Unit 1:</b></p> <p>A) Foundations of language &amp; literacy pedagogy; Principles of language instructions; Language and Literacy historical perspective</p> <p>B) Early Literacy: what does it mean from cognitive perspective?</p> <ul style="list-style-type: none"> <li>• The difference in the nature of spoken and written</li> </ul>



	<p>language</p> <ul style="list-style-type: none"> <li>• Acquiring literacy: a qualitative change in thought process</li> </ul> <p><b>Based on the work done by Margaret Donaldson</b></p> <p>C) Early Literacy: As it emerges as a part of developmental process</p> <ul style="list-style-type: none"> <li>• The emergent literacy approach (phonological awareness, print awareness, emergent reading &amp; writing)</li> <li>• Planning &amp; executing instructions for an emergent reader &amp; writer</li> </ul> <p><b>Based on the work done by Marie Clay</b></p> <p><b>Unit 2:</b> Literacy Instruction in Indian Languages</p> <ul style="list-style-type: none"> <li>• Nature of Indian scripts and its implications on Early Literacy instruction</li> </ul> <p><b>Based on the work done by Dr. Maxine Bernstein</b></p> <ul style="list-style-type: none"> <li>• Overview of Early Literacy approaches in India</li> <li>• Issues in Early literacy in Indian Context</li> </ul> <p><b>Unit 3:</b> Early Literacy: The cultural aspects of Early literacy</p> <ul style="list-style-type: none"> <li>• Designing culturally appropriate content and literacy instruction for children</li> <li>• Evolving a relevant literacy framework to plan and execute the effective instruction in the preschool.</li> </ul> <p><b>Based on the Work done by Sylvia Ashton Warner &amp; Victoria Purcell-Gates</b></p> <p><b>Unit 4:</b> Numeracy instruction for young children</p> <ul style="list-style-type: none"> <li>• Early Numeracy: The position of National Curriculum Framework 2005 &amp; the Focus Group Paper on the Math Education</li> <li>• Early Numeracy: Some Important aspects of instruction</li> <li>• Designing Curricular objectives &amp; conceptually oriented instruction for Numeracy for young children</li> </ul>
<b>Module 3 (Credit 1): Electronic Technology &amp; Instruction</b>	
<b>Learning Outcomes</b>	At the end of the module, the students will be able to: <ol style="list-style-type: none"> <li>1. Develop online platforms for collaborative learning</li> <li>2. Create animation tools</li> <li>3. Develop Teacher Education Module for teachers teaching in Early grade</li> </ol>
<b>Content Outline</b>	<p>Unit 1: Young Learners &amp; Electronic Technology: what the research has to offer</p> <p>Unit 2: Preschool Teacher Education &amp; Electronic Technology</p> <p>Unit 3: Using ICT for designing Instruction Part :1</p> <p>Introduction to</p> <ul style="list-style-type: none"> <li>• Image processing, presentation tools</li> <li>• Video and sound processing tools</li> <li>• Animation tools</li> </ul> <p>Unit 4: Developing Teacher Education Module for teachers teaching in Early grade</p>
<b>Module 4 (Credit 1): Action Research in collaboration with field practitioners</b>	
<b>Learning Outcomes</b>	At the end of the module, the students will be able to: <ol style="list-style-type: none"> <li>1. Develop platform to learn and collaborate online</li> <li>2. Develop communication tool (broachers, leaflets, certificates, ID cards, Invitation letters etc)</li> <li>3. Communicate with creative report writing</li> </ol>

<b>Content Outline</b>	<p><b>Unit 1:</b></p> <ul style="list-style-type: none"> <li>• Students would take up action research in collaboration with organizations like preschools, early grades of primary school, Teacher’s education institutes for preschool &amp; primary Teachers, NGOs practicing innovative instructional practices</li> <li>• Students are supposed to Plan, Design, &amp; implement the Instructions on any relevant topics during their field attachment</li> <li>• Alternatively, they may study document and analyze important &amp; significant Instructional practice in their respective organization</li> </ul> <p><b>Unit 2:</b> Report writing &amp; Presentation of the report of Field extension activities.</p>
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**Assignments/Activities towards Comprehensive Continuous Evaluation (CCE):**

**Module 1:** Creating modules for instruction

**Module 2:** Designing culturally appropriate content and literacy instruction for children

**Module 3:** Developing Teacher Education Module for teachers teaching in Early grade

**Module 4:** Develop brochures, leaflets, certificates, ID cards, Invitation letters

**References:**

1. Barnett, H. (2003). Technology professional development: Successful strategies for teacher change. Syracuse, NY: Syracuse University. (ERIC Document Reproduction Service No. ED 477 616).
2. Coppola, J., & Thomas, B. (2000). A model for e-classrooms design beyond chalk and talk. *Technological Horizons in Education Journal*, 27(6), 31-37.
3. Howard P. Parette, Jr., Ed.D., Craig Blum (2013): *Instructional Technology in Early Childhood*, Brookes Publishing. ISBN: 72452978-1-59857-245-2
4. Hutinger, P. (1987). Computer-based learning for young children. In J. L. Roopnarine & J. E. Johnson (Eds.), *Approaches to early childhood education* (pp. 213-234). Columbus, OH: Charles E. Merrill.
5. Hutinger, P., & Johanson, J. (2000). Implementing and maintaining an effective early childhood comprehensive technology system. *Topics in Early Childhood Special Education*, 20(3), 159-173.

### 3.6 Research Project

<b>Course Title</b>	<b>Research Project</b>
<b>Course Credits</b>	4 (Pr)
<b>Course Outcome</b>	By the end of this Course students should be able to: <ol style="list-style-type: none"> <li>1. Demonstrate an ability to plan a research project</li> <li>2. Demonstrate an ability to comply with ethical, safety, and documentation processes appropriate to their project</li> <li>3. Demonstrate expert knowledge in the subject of their research project, such as detailed literature review</li> <li>4. Demonstrate expert knowledge in the research methods appropriate to generating reliable data for their research questions</li> <li>5. Demonstrate an ability to assemble their findings into a substantial piece of writing.</li> <li>6. Demonstrate an ability to reflect on the strengths and weaknesses of their research and methodology,</li> <li>7. Provide constructive advice on how they might improve their efforts in future work</li> </ol>
<b>Module 1 (Credit 1): Formulation of problem</b>	
<b>Learning Outcomes</b>	At the end of the module, the students will be able to: <ol style="list-style-type: none"> <li>4. Identify a preliminary project topic</li> <li>5. Decide a project title</li> <li>6. Write a research proposal</li> </ol>
<b>Content Outline</b>	Unit 1: Project topic -identify research area relevant to subject, recognize research gaps in the chosen area, decide a final research topic and title, write a research proposal.
<b>Module 2 (Credit 1): Review of Literature</b>	
<b>Learning Outcomes</b>	At the end of the module, the students will be able to: <ol style="list-style-type: none"> <li>1. Recognize the aim of review of literature</li> <li>2. Identifying secondary sources review</li> <li>3. Develop ability to review article and research papers</li> <li>4. Understand the relevance of right literature</li> <li>5. Develop ability to select researches related to their research area</li> </ol>
<b>Content Outline</b>	Unit 1: Types of sources: Books, peer-reviewed scholarly or scientific journals from reputable publishers, Master’s dissertation, Doctoral thesis, any other project Unit 2: Elements of literature review: an introduction or background information section; the body of the review containing the discussion of sources; a conclusion and/or recommendations section to end the paper.
<b>Module 3 (Credit 1): Designing Research proposal / Model validation</b>	

<b>Learning Outcomes</b>	At the end of the module, the students will be able to: 1. Understand the basic of designing research proposal 2. Identify the sources for literature review 3. Formulate aims and objectives 4. Develop research design
<b>Content Outline</b>	Unit 1: Introduction-need for study, abstract, Review of literature, Aims and objectives, Research design and method, Ethical considerations, Budget, Appendices, Citations. Unit 2: Guidelines to write Research proposal
<b>Module 4 (Credit 1): Planning tools &amp; techniques for data collection</b>	
<b>Learning Outcomes</b>	At the end of the module, the students will be able to: 1. Construct a research tool relevant for research topic 2. Assess the validity and reliability of the tool 3. Develop understanding about techniques of data collection
<b>Content Outline</b>	Unit 1: Introduction, objectives of tools in Research, Characteristics of a Good Research Tool, Validity, Reliability, Usability, Time frame for data collection Unit 2: Types of Tools and their Use, Questionnaire, Rating Scale, Likert scale, Attitude Scale, Unit 3: Preparation of research tool, google forms /links

### **Assignments/Activities towards Comprehensive Continuous Evaluation (CCE):**

**Module 1:** Read research articles in area of research interest and presentation/ Article and book review and Presentation

**Module 2:** Designing a research proposal, Constructing hypothesis, Research design

**Module 3:** Constructing tools and techniques for data collection.

**Module 4:** Presentation of research proposal

### **References:**

1. Bell, J. (1997) "Doing Your Research Project: A Guide for First-time Researchers in Education and Social Science", Viva Books, New Delhi.
2. Bell, J. (1997): How to Complete Your Research Project Successfully: A Guide for First-time Researchers, UBSPD, New Delhi.
3. Gupta, S. (2001) "Research Methodology and Statistical Techniques", Deep and Deep, New Delhi.
4. Holloway, I. (1997): Basic Concepts of Qualitative Research, Blackwell Science, London.
5. Kumar, A. (2002): Research Methodology in Social Sciences, Sarup and Sons, New Delhi.

## Semester IV

### 4.1 Major (Core)

<b>Course Title</b>	<b>Research Applications in Early Childhood Education</b>
<b>Course Credits</b>	4 (Pr)
<b>Course Outcome</b>	On completion of the course, the student will be able to 1. Display competencies of scientific writing. 2. Manifest skills of presentation and writing scientific documentation. 3. Display skills to effectively communicate result finding. 4. Critically appreciate articles and books 5. Gain knowledge and techniques needed to effectively convey ideas, conduct research, and produce high-quality research work
<b>Module 1 (Credit 1): Competencies of scientific writing</b>	
<b>Learning Outcomes</b>	At the end of the module, the students will be able to: 1. Identify the structural parts of an academic paper 2. State the purpose of research clearly 3. Communicate research with clarity and focus
<b>Content Outline</b>	Unit 1: Structural parts of an academic paper Unit 2: Basic skills of scientific writing
<b>Module 2 (Credit 1): Constructing evidence-based arguments</b>	
<b>Learning Outcomes</b>	At the end of the module, the students will be able to: 1. Manifest skills of presentation and writing scientific documentation.
<b>Content Outline</b>	Unit 1; Recognizing, articulating, and applying an understanding of different perspectives (including their own) Unit 2: Applying critical, comparative, and creative thinking and problem solving Unit 3: Forming opinions based on exploration and evidence
<b>Module 3 (Credit 1): Display skills to effectively communicate result finding</b>	
<b>Learning Outcomes</b>	At the end of the module, the students will be able to: 1. Communicate results with clarity and focus 2. Highlight the relevance of research 3. Choose an appropriate language
<b>Content Outline</b>	Unit 1: Communicating results with clarity and focus Unit 2: Highlighting the relevance of research Unit 3: Choosing an appropriate language to communicate results
<b>Module 4 (Credit 1): Writing a scientific paper</b>	

<b>Learning Outcomes</b>	At the end of the module, the students will be able to: 1: Create scientific articles /paper 2: Apply specific aspects of the research to scientific articles /papers 3: Understand guidelines and formatting requirements for a scientific paper
<b>Content Outline</b>	Unit 1: Steps to organizing manuscript Unit 2: Applying specific aspects of the research to scientific articles /papers Unit 3: Guidelines and formatting requirements for a scientific paper

**Assignments and Activities towards Comprehensive Continuous Evaluation (CCE):**

**Module 1:** List down structural parts of an academic paper

**Module 2:** Applying critical, comparative, and creative thinking and problem solving

**Module 3:** Discuss results with clarity and focus

**Module 4:** Writing a scientific article

**References:**

1. Bell, J. (1997): Doing Your Research Project: A Guide for First-time Researchers in Education and Social Science, Viva Books, New Delhi
2. Bell, J. (1997): How to Complete Your Research Project Successfully: A Guide for First-time Researchers, UBSPD, New Delhi.
3. Kothari, C.R. (2000): Research Methodology: Methods and Techniques, Vishwa Prakashan, New Delhi.
4. Kumar, A. (2002): Research Methodology in Social Sciences, Sarup and Sons, New Delhi.
5. McBurney, D.H. (2001): Research Methodology, Thomson-Wadsworth, Australia.
6. Pande, G.C. (1999): Research Methodology in Social Sciences, Anmol Publication, New Delhi.

## 4.2 Major (Core)

<b>Course Title</b>	<b>Internship</b>
<b>Course Credits</b>	<b>Credits 4 (Practical)</b>
<b>Course Outcomes</b>	After going through the course, learners will be able to <ol style="list-style-type: none"> <li>1) Work as professionals in the field of ECE as Teacher Educators, Curriculum Designers, Supervisors, Managers and contribute in Policy making.</li> <li>2) Contribute in a variety of educational settings for children in private, public, NGO's sectors</li> <li>3) Promote skills for community participation and development for optimization of human potential</li> <li>4) Frame and implement developmentally appropriate curriculum</li> <li>5) Work with sensitivity, ethically, and professionally with families and children with diverse needs through integrating various methodology</li> </ol>
<b>Module 1 (Credit 1): 1. Creating teaching-learning transactions with children</b>	
<b>Learning Outcomes</b>	After learning the module, learners will be able to: <ol style="list-style-type: none"> <li>1. Create teaching-learning transactions with children</li> <li>2. Develop Skills in an ECD setting to gain professional competence</li> <li>3. Demonstrate the values, work ethics, attitudes and skills expected of an ECD professional</li> </ol>
<b>Content Outline</b>	<ol style="list-style-type: none"> <li>1. Observing teaching-learning activities being conducted in classes</li> <li>2. Preparing appropriate teaching-learning material</li> <li>3. Conducting teaching-learning activities under supervision</li> <li>4. Exploring teacher's attitudes and perspectives regarding children's learning</li> </ol>
<b>Module 2 (Credit 1): Participation in the Administrative aspects of the Institution</b>	
<b>Learning Outcomes</b>	After learning the module, learners will be able to: <ol style="list-style-type: none"> <li>1. Physical infrastructure</li> <li>2. Planning of activities</li> <li>3. Resource Management</li> </ol>
<b>Content Outline</b>	Observe and assess the following: Unit 1: Physical infrastructure, facilities and resources available in the center Unit 2; Planning of activities, transaction of activities and the use of TLM Unit 3: Scheduling of Activities, Resource Management
<b>Module 3 (Credit 1): Placement in different organizations for children</b>	
<b>Learning Outcomes</b>	After learning the module, learners will be able to: <ol style="list-style-type: none"> <li>1. Gain purposeful learning experience through placement in different organizations for children, under supervisory guidance.</li> <li>2. Enhance their knowledge, skills and attitudes.</li> <li>3. Plan and execute activities and recreational programs for children</li> </ol>
<b>Content Outline</b>	Unit 1: Placement in different centers Unit 2: Plan and execute the need-based programs individually

<b>Module 4 (Credit 1):</b> Writing a proposal for funding	
<b>Learning Outcomes</b>	After learning the module, learners will be able to: 1. Collate information and present. 2. Write a proposal to open a center.
<b>Content Outline</b>	Unit 1: Steps in collating information Unit 2: Proposal writing for funding

**Assignments/Activities towards Comprehensive Continuous Evaluation (CCE):**

**Module 1:** Observation report of the centre placed

**Module 2:** Detailed activity taken report

**Module 3:** Writing a report of the centre in which the student is placed

**Module 4:** Submission of Research proposal

**Reference:**

1. Tribhuwan. R. D and Shevkari. S. R. (2000). How to Write Funding Project, Discovery Publishing Pvt. Ltd; First Edition, ISBN: 978-8171415595
2. Coley. S. M and Scheinberg. C. A and Yulia. A. (2021). Proposal Writing Effective Grantsmanship for Funding, SAGE Publications, Inc, Sixth Edition. ISBN: 9781544371535.



### 4.3 Major (Core)

<b>Course Title</b>	<b>Product Development</b>
<b>Course Credits</b>	4 (Pr)
<b>Course Outcome</b>	On the submission of the final product, the students will be able to: <ol style="list-style-type: none"> <li>1. Develop insight into various tools and techniques used as intervention for enhancing behavioral change including learning at all age groups</li> <li>2. Build intervention to manage issues of community groups such as LGBTQ+ and special groups also.</li> <li>3. Design the intervention by following stages logically</li> <li>4. Develop entrepreneurial skills</li> </ol>
<b>Module 1 (Credit 1): Relevance and Conceptualization of product</b>	
<b>Learning Outcomes</b>	At the end of the module, the students will be able to: <ol style="list-style-type: none"> <li>7. Identify problem area of intervention</li> <li>8. Verify most appropriate technique to address concern</li> <li>9. Decide the nature of product such as, intervention, module, games, activity books, problem specific guidelines etc.</li> <li>10. Create unique intervention</li> </ol>
<b>Content Outline</b>	Unit 1: Concept of Product Unit 2. Novelty in creating product Unit 3. Criteria for selecting Group/ population for product development Unit 4. Importance of creativity in product development
<b>Module 2 (Credit 1): Setting objectives and guidelines and process of use of product</b>	
<b>Learning Outcomes</b>	At the end of the module, the students will be able to: <ol style="list-style-type: none"> <li>1. Determine the uses of product</li> <li>2. Finalize the guidelines to use the product</li> </ol>
<b>Content Outline</b>	Unit 1: Uses of Products Unit 2. Guidelines and instructions Unit 3. Step by step process
<b>Module 3 (Credit 1): Development process and Material finalization</b>	
<b>Learning Outcomes</b>	At the end of the module, the students will be able to: <ol style="list-style-type: none"> <li>1. List the material required to build product</li> <li>2. Formulate series of material preparation in order to fix entire product</li> <li>3. Decide the use of durable and environment friendly material</li> <li>4. Decide cost effective and long-lasting product</li> </ol>
<b>Content Outline</b>	Unit 1: Material – durable and cost effective Unit 2. Logical order of preparing sub parts of product Unit 3. Damage and repair of product
<b>Module 4 (Credit 1): Final quality product, duplication, patenting and marketing</b>	

<b>Learning Outcomes</b>	At the end of the module, the students will be able to: 1. Determine good quality product 2. Decide duplication of product 3. Justify cost for the product 4. Convince prize and marketing 5. Derive patenting procedure
<b>Content Outline</b>	Unit 1: Quality product Unit 2. Duplication value of product Unit 3. Material and development cost Unit 4. Orientation about patenting

**Assignments/Activities towards Comprehensive Continuous Evaluation (CCE):**

**Module 1.**

1. Develop the rationale of product development
2. List and study different products such as, models, guidelines, games, puzzles, activity books, floor games etc.

**Module 2.**

1. Decide guidelines for and procedure of use of the product before finalization

**Module 3.**

1. Explore durable material make price list
2. Conduct workshop on pollution control and environment protection

**Module 4**

1. Organize session on patenting of the product

**Reference:**

1. Bstieler, L. Noble, C.H. (2003). The PDMA Handbook of Innovation and New Product Development. United States: Wiley. ISBN: 9781119890225.
2. Cooper, R. G., Edgett, S. J. (2009). Lean, Rapid and Profitable New Product Development. Booksurge Publishing. ISBN: 9781439224601.
3. Jone, T (1997). New Product Development: An Introduction to a Multifunctional Process, Elsevier Science & Technology Books, ISBN: 9780750624275.
4. McGrath, M. E. (1996). Setting the PACE in Product Development: A Guide to Product And Cycle-time Excellence. Taylor & Francis. ISBN: 9780750697897.
5. Srivastava, R.K. (2007). Product Management and New Product Development. Excel Books, ISBN: 9788174464781.

#### 4.4 Major (Elective)

<b>Course Title</b>	<b>Observation and Assessment of Children</b>
<b>Course Credits</b>	<b>Credits 4 (2Th + 2 Practical)</b>
<b>Course Outcomes</b>	After going through the course, learners will be able to i) Understand the nature, process and significance of social research with children. ii) Plan Formative and Summative assessment for children iii) Design tools such Observation schedules, Rating Scales, Event Sampling, Check lists etc. iv) Design Rubrics to assess Development, Plan Portfolios v) Understand critical considerations in research with children
<b>Module I: Introduction to Assessment</b>	
<b>Learning Outcomes</b>	After learning the module, learners will be able to: 1. Comprehend concepts, functions, types of assessment 2. Interpret the characteristics of effective assessment 3. Plan methods for evaluating children, program
<b>Content Outline</b>	<p><b>Unit I:</b> Concept and Definitions</p> <ul style="list-style-type: none"> <li>• Functions of Assessment- Screening, Diagnosis, Placement, Program Planning, Evaluation</li> </ul> <p><b>Unit II:</b> Planning the Assessment Process</p> <ul style="list-style-type: none"> <li>• Formative Assessment</li> <li>• Summative Assessment</li> <li>• Characteristics of effective child Assessment</li> <li>• Tools &amp; Techniques of Assessment</li> <li>• Methods for Evaluating Young Children</li> <li>• Observation- Purpose, Types of observations,</li> <li>• Tools for Observation- Schedules, Time Sampling, Event sampling, Technology Anecdotal records, Case study, Types of Rating Scales, Questionnaires, Interview Schedules</li> <li>• Types of records</li> </ul> <p><b>Unit III</b> Identification of the child</p> <ul style="list-style-type: none"> <li>• Developmental Screening</li> <li>• Diagnosis</li> <li>• Individualized Planning of Programs and Interventions</li> <li>• Performance Monitoring through Observations, Classroom Portfolios, anecdotal Records</li> </ul>
<b>Module 2: Program Evaluation</b>	
<b>Learning Outcomes</b>	After learning the module, learners will be able to- 1) Understand different components of Program Evaluation 2) Create a plan for program assessment
<b>Content Outline</b>	<p><b>Unit 1:</b> Philosophy</p> <p><b>Unit 2:</b> Objectives</p> <p><b>Unit 3:</b> Methodology</p> <p><b>Unit 4:</b> Curriculum</p> <p><b>Unit 5:</b> Schedules</p>

<b>Module 3</b>	<b>Observing Development of Young Children</b>
<b>Learning Outcomes</b>	After learning the module, learners will be able to- 1) Categorize different aspect of evaluating children 2) Design Observational Instruments to use in Early childhood settings 3) Evaluate the critical considerations in research with children
<b>Content Outline</b>	<b>Unit 1: Domains of Assessment</b> <ul style="list-style-type: none"> <li>• Cognitive Assessment</li> <li>• Sensory Activity</li> <li>• Perceptual Motor Abilities</li> <li>• Language and Communication abilities</li> <li>• Socio-emotional Development</li> <li>• Social Interactions with adults and peers</li> <li>• Creativity</li> </ul>
<b>Module 4</b>	<b>Assessment of Infrastructure</b>
<b>Learning Outcomes</b>	1) Select methods to observe and assess the Physical environment 2) Evaluate the tools for different aspects of the Preschool Setting 3) Analyze the current trends and challenges in Assessing Young Children
<b>Content Outline</b>	<b>Unit 1: Environment Assessment</b> <ul style="list-style-type: none"> <li>• Dimensions of Environment</li> <li>• Open Physical Space</li> <li>• Closed Physical Space</li> <li>• Physical Facilities</li> <li>• Organization and Supervision of Space</li> <li>• Equipment</li> <li>• Materials</li> <li>• Social aspects</li> <li>• Contingency experiences</li> <li>• Guidelines for Assessing Environments</li> <li>• Tools used to assess different aspects of environment</li> <li>• Trends and challenges in developmental assessment of young children</li> </ul>

### **Assignments/Activities towards Comprehensive Continuous Evaluation (CCE):**

#### **Module I**

1. Preparing Observation Schedules for 1 child
2. 1 Rating Scale on a particular trait
3. Event Sampling and Time Sampling for a behavior problem

#### **Module II**

1. Planning Checklists for Program/ Infrastructure Assessment
2. Using the instruments to assess Infrastructure, Program and Children

#### **Module III**

1. Creating Sample Checklists to assess development in various domains (at least 2 domains)
2. Designing a Comprehensive Report Card for Foundational years

## **Module IV**

1. Identifying Tools for different aspects of the Preschool Setting
2. Creating a checklist/Rating Scale for assessing Classroom setting

### **References:**

1. Anandalakshmy, S., Chaudhary, N., & Sharma, N. (2008). *Researching Families and Children*. New Delhi: Sage Publications.
2. Bennett, V., Wood, L. and Rogers, S. (1997): "teaching through play" Open university press, Philadelphia.
3. Bryman, A. (2009). *Social Research Methods*. Oxford: Oxford University Press • Christensen, P. & James, A. (2008). *Research with children: Perspectives and Practices*. London: Routledge.
4. National Scientific Council on the Developing Child (2009): A working paper by Harvard University
5. Nicholson, S. & Shipstead, S. (1998) *Looking through the glass: Observations in the Early Childhood Classroom*, 2<sup>nd</sup> Edition. Merrill, Prentice Hall, New Jersey.

## 4.5 Research Project

<b>Course Title</b>	<b>Dissertation</b>
<b>Course Credits</b>	6
<b>Course Outcomes</b>	After going through the course, learners will be able to <ol style="list-style-type: none"> <li>1. Create an outline of a research proposal</li> <li>2. Modify knowledge in developing rationale of the study</li> <li>3. Design research methodology</li> <li>4. Demonstrate skills for writing results and discussion.</li> <li>5. Develop appropriate scientific writing styles</li> <li>6. Design and conduct a research project</li> </ol>
<b>Module 1 (Credit 1) Research Topic Selection and Designing</b>	
<b>Learning Outcomes</b>	After learning the module, learners will be able to: <ol style="list-style-type: none"> <li>1. Justify the significance of their research</li> <li>2. Correlate theories, concepts and methods relevant to their research projects</li> <li>3. Develop a research design to enable them to answer their central research question</li> </ol>
<b>Content Outline</b>	<ol style="list-style-type: none"> <li>1. Selecting a research topic</li> <li>2. Developing a research design</li> </ol>
<b>Module 2 (Credit 1) Constructing Research Questions and Setting Parameters for Research</b>	
<b>Learning Outcomes</b>	After learning the module, learners will be able to: <ol style="list-style-type: none"> <li>1. Design academic literature relevant to their research project</li> <li>2. Develop research questions</li> <li>3. Create tools needed for research</li> <li>4. Critically evaluate feedback from peers and academic supervisors, exercise reflection and self-criticism</li> <li>5. Modify tools for research</li> </ol>
<b>Content Outline</b>	<ol style="list-style-type: none"> <li>1. Importance of academic literature relevant to the research project</li> <li>2. Constructing research questions</li> <li>3. Developing tools for research</li> <li>4. Validating the tool for research</li> <li>5. Setting the time schedule for research</li> </ol>

<b>Module 3 (Credit 1) Planning for Data Collection</b>	
<b>Learning Outcomes</b>	After learning the module, learners will be able to: <ol style="list-style-type: none"> <li>1. Identify areas for collecting data Reframe the findings of their research effectively and fluently</li> </ol>
<b>Content Outline</b>	<ol style="list-style-type: none"> <li>1. Collecting data from the field</li> </ol>
<b>Module 4 (Credit 1) Data Analysis</b>	
<b>Learning Outcomes</b>	After learning the module, learners will be able to: <ol style="list-style-type: none"> <li>1. Design appropriate tests Analyze data</li> </ol>
<b>Content Outline</b>	<ol style="list-style-type: none"> <li>1. Use appropriate tests</li> <li>2. Analyzing the Data</li> </ol>
<b>Module 5 (Credit 1) Drafting, Editing, Proof Reading</b>	
<b>Learning Outcomes</b>	After learning the module, learners will be able to: <ol style="list-style-type: none"> <li>1. Plan the Dissertation</li> <li>2. Rewrite the Dissertation</li> <li>3. Develop skills to proof read the dissertation</li> </ol>
<b>Content Outline</b>	<ol style="list-style-type: none"> <li>1. Ways to draft the dissertation</li> <li>2. Ways to edit the dissertation</li> <li>3. Skills to proof reading the dissertation</li> </ol>
<b>Module 6 (Credit 1) Finalizing the Dissertation</b>	
<b>Learning Outcomes</b>	After learning the module, learners will be able to: <ol style="list-style-type: none"> <li>1. Check Plagiarism</li> <li>2. Complete and submit dissertation</li> </ol>
<b>Content Outline</b>	<ol style="list-style-type: none"> <li>1. Tools to check plagiarism</li> <li>2. Completing dissertation &amp; submitting</li> </ol>

**Assignments/Activities towards Comprehensive Continuous Evaluation (CCE):**

**Module 1:**

1. Assignment on developing a research design

**Module 2:**

1. Discussion on constructing research questions

**Module 3:**

1. Assignment on developing tools for research

**Module 4:**

1. Presentation on data analyzed

**Module 5:**

1. Creating the rough draft of Dissertation

**Module 6:**

1. Submitting the Dissertation

**References:**

1. Bell, J. (1997) "Doing Your Research Project: A Guide for First-time Researchers in Education and Social Science", Viva Books, New Delhi.
2. Bell, J. (1997): How to Complete Your Research Project Successfully: A Guide for First-time Researchers, UBSPD, New Delhi.
3. Festinger, L. and Katz, D. (ed.) (1977): Research Methods in the Behavioral Sciences, Amerind Publishing, New Delhi.
4. Gupta, S. (2001) "Research Methodology and Statistical Techniques", Deep and Deep, New Delhi.
5. Holloway, I. (1997): Basic Concepts of Qualitative Research, Blackwell Science, London.
6. Kumar, A. (2002): Research Methodology in Social Sciences, Swarup and Sons, New Delhi.

**Dissertation Assessment Template:**

INTERNAL ASSESSMENT (25)			<b>TOTAL Marks Obtained</b>
	Proposal (15)		
	Understanding of concept & Execution (10)		
<b>TOTAL Marks of 25 out</b>			
INTERNAL ASSESSMENT (25)	<b>(A) General</b>		
	Punctuality, Sincerity, Perseverance, Commitment, Attitude		
	<b>TOTAL Out of 15</b>		
	<b>(B) Skills</b>		
	Use of Resources, Literature, Use of Technology, Communication, Any other		
<b>TOTAL Out of 10</b>			
<b>TOTAL Marks (by the internal supervisor) out of 50</b>			
		INTERNAL EXAMINER	EXTERNAL EXAMINER
<b>JOINT ASSESSMENT (100)</b>	Dissertation (50)		
	Viva Voce (50)		
	<b>TOTAL</b>		
	TOTAL (Average of the two)		
<b>OVERALL TOTAL (OUT OF 150)</b>			



