

UNIVERSITY OF MUMBAI

No. UG/82 of 2015-16

CIRCULAR:-

The Head, University Department of Education and the Principals of the affiliated Colleges in Education are hereby informed that the recommendation made by the Faculty of Arts at its meeting held on 5th March 2015 has been accepted by the Academic Council at its meeting held on 29th May, 2015 vide item No. 4.49 and subsequently approved by the Management Council at its meeting held on 27th June, 2015 vide item No.05 and that in accordance therewith, in exercise of the powers conferred upon the Management Council under Section 54 (1) and 55 (1) of the Maharashtra Universities Act, 1994 and the Ordinances 6207 and 6208 and Regulation 8929, 8930, 8931, 8932, 8933 and 8934 relating to the Bachelor of Education (B.Ed.) – Special Education (Autism Spectrum Disorders)) has been introduced, which is available on the University's web site (www.mu.ac.in) and that the same has been brought into force with effect from the academic year 2015-16.

MUMBAI – 400 032
23rd September, 2015

sd/-
REGISTRAR

To,

The Head, University Department of Education and the Principals of the affiliated Colleges in Education.

A.C/4.49/29.05.2015
M.C/05/27.06.2015

No. UG/ 82-A of 2015

MUMBAI-400 032 23rd September, 2015

Copy forwarded with Compliments for information to:-

- 1) The Dean, faculty of Arts,
- 2) The Director, Board of College and University Development,
- 3) The Co-Ordinator, University Computerization Centre,
- 4) The Controller of Examinations.

sd/-
23/9/15

REGISTRAR

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AC 29-5-15

Item No. 4.49

University of Mumbai

**Bachelor of Education - Special Education (Autism
Spectrum Disorders)**

B.Ed. Spl. Ed.(ASD)

From 2015-16

University of Mumbai
Syllabus for the Bachelor of Education -Special Education (Autism Spectrum Disorders)
B.Ed.Spl. Ed.(ASD)

As per the NCTE Regulations 2014 Notification 346 dated 1.12.2014 and subsequent letter # 8-A/Recog./ Policy /2014-RCI dated 28th January 2015 and letter # 7-128 RCI/ 2015 from Rehabilitation Council of India (RCI), New Delhi, the B.Ed.- Special Education (Autism Spectrum Disorders) program of one academic year is revised to two years in the University of Mumbai. The said program is Credit Based Grading System. It has semester system comprising of four semesters and offers choice based optional courses in theory component. It is implemented from academic year 2015-2016. The syllabus of B.Ed.-Special Education (Autism Spectrum Disorders) is based on the syllabus prescribed by the Rehabilitation Council of India.

The Title and Eligibility of the program are:

O 6207 Title: Bachelor of Education- Special Education (Autism Spectrum Disorders)
[B. Ed. Spl.Ed.(ASD)]

O 6208 Eligibility:

Following candidates are eligible for admission to B. Ed. Spl.Ed.(ASD):

A candidate for the degree of B.Ed.Spl.Ed.(ASD) must have passed a Bachelors' degree examination of this University in any discipline or a corresponding degree examination of any other UGC recognized University with minimum 50% in the qualifying degree examination.

R 8929 Duration: The duration of the program is two academic years (four semesters) with 40 credits in each year.

• **Aim and Objectives of the Program:**

The B.Ed.Spl.Ed.(ASD) program aims to develop special education teachers/educators for children with disabilities and in particular to children with autism spectrum disorders for various educational settings (Inclusive, Special, Open School , Home Based services etc.). The B.Ed. Spl. Ed.(ASD) program will prepare human resources to enable them to acquire knowledge and competencies to impart effective education to children with ASD and other disabilities with adequate emphasis on education of ALL children. The program further aims to develop special teachers/educators who are able to deliver the best in all the roles like classroom teacher, resource teacher, itinerant teacher, cross disability teacher facilitator.

The objectives of the program are to facilitate learners to:

- i. Acquire knowledge & skills about human development, contemporary Indian education, pedagogy of various school subjects and assessment for learning.
- ii. Acquire knowledge & skills about nature and educational needs of children with disabilities with emphasis on children with ASD

- iii. Develop conceptual understanding of education for working with children with and without disabilities in various settings.
- iv. Enhance knowledge and skills related to professional competencies.
- v. Facilitate proactive and desirable attitudes towards education of children with special needs

I The program of B. Ed. Spl.Ed.(ASD), comprising of **Part-I** Theory courses (A,B,C & D), **Part-II** Practical courses (E) and **Part-III** Field engagement (F),which will be completed in four consecutive semesters. The program structure has four sets of theory courses (A) core courses including two choice based pedagogy courses, (B) Courses in cross disability and inclusion including two optional courses (one each to be chosen from two pools of courses) (C) Disability specialization courses and (D) Courses for enhancement of professional capacities.

II. ATTENDANCE: The program will be conducted for minimum 180 days each year exclusive of the period of semester-end examination and admission. The institution shall work for a minimum of thirty six hours in a week. The Minimum attendance of learners will be as per Mumbai university guidelines. However ,for practical and field engagement of the programme the learners must complete all course works within the stipulated period . A candidate for the examination in Part I, II & III courses must apply to the Registrar of University of Mumbai with certificates required, through the Principal/ Head of the College in which he/she has received education.

III The entire program of B. Ed. Spl. Ed.(ASD) is of 80 credits. Each credit will comprise of 30 learning hours.

Framework of Courses

Course Code	PART I	
	Area A: Core Courses	
A1	Human Growth & Development	
A2	Contemporary India and Education	
A3	Learning, Teaching and Assessment	
A4	Pedagogy of Teaching : (with special reference to disability)	Any One
		a) Science
		b) Mathematics
A5	Pedagogy of Teaching: (with special reference to disability)	Any One
		a) Hindi
		b) English
		c) Marathi
	Area B: Courses on Cross Disability and Inclusion	
	Note:	
	a. All student-teachers will be learning about all disabilities in theory and practical.	
	b. All student-teachers will be learning about one more disability over and above the main disability specialization in practical and field engagement.	

	c. <i>In case of student-teachers with disability; the choice of two optional courses from B-10 or B-11 can be chosen on case to case basis (e.g. Student-teachers with VI and HI may opt for courses that are appropriate for them across/only from B10 & B11).</i>	
B6	Inclusive Education	
B7	Introduction to Sensory Disabilities (VI, HI, Deaf-Blind)	
B8	Introduction to Neuro - Developmental Disabilities (LD, ID, ASD)	
B9	Introduction to Loco-motor & Multiple Disabilities (CP, MD)	
B10	Skill-based Optional Course (Cross Disability and Inclusion)	Any One
		a) Guidance and Counselling
		b) Early Childhood Care & Education
		c) Applied Behavioural Analysis
		d) Community Based Rehabilitation
		e) Application of ICT in Classroom
		f) Gender and Disability
		g) Braille and Assistive Devices
B11	Skill-based Optional Course (Disability Specialization)	Any One
		a) Orientation & Mobility
		b) Communication Options: Oralism
		c) Communication Options: Manual (Indian Sign Language)
		d) Augmentative and Alternative Communication
		e) Management of Learning Disability
		f) Vocational Rehabilitation & Transition to Job Placement
	Area C: Courses on Disability Specialization	
C12	Autism Spectrum Disorders: Identification and Assessment of Needs	
C13	Autism Spectrum Disorders: Curriculum Designing, Adaptation and Evaluation	
C14	Autism Spectrum Disorders: Teaching Approaches and Strategies	
C15	Autism Spectrum Disorders: Assistive Interventions and Technology	
C16	Autism Spectrum Disorders: Adulthood and Family Issues	
	Area D: Courses on Enhancement of Professional Capacities (EPC) Note: All EPC courses must be taught with special reference to disability	
D17	Reading and Reflecting on Texts	
D18	Drama and Art in Education	
D19	Basic Research and Basic Statistics	
	PART II	

	Area E: Practical Related to Disability	
E1	Cross Disability and Inclusion (Linked with Area B)	
E2	Disability Specialization (Linked with Area C)	
	PART III	
	Area F: Field Engagement(Internship)	
F1	Special School/Centre for Main Disability (Related to Area C)	
F2	Special School/Centre for Other Disability (Related to Area B)	
F3	Inclusive school (Related to Area B & C)	

The Overall Program Structure (Four Semesters)

Part	Course code	No. of Courses	Areas	Hours	Credits	Marks
I	A	5	THEORY: Core courses	450	15	375
I	B	6	THEORY: Cross Disability & Inclusive Education	540	18	450
I	C	5	THEORY: Disability Specialization	450	15	375
I	D	3	THEORY: Enhancement of Professional Capacities EPC)	180	06	150
II	E	2	Practical related to disability	450	15	375
III	F	3	Field Engagement(Internship)	330	11	275
Total		24		2400	80	2000

The allotted hours to each theory course will include both instructional and notional hours. The instructional hours for all theory courses as specified in the structure include lecture and tutorials as contact hours. The notional hours include hands on tasks/experience specified under each theory course.

- IV.** The assessment in Part I comprising of theory courses (A, B, C & D) shall be semester wise as per the scheme of courses given in item # VI by way of written papers and internal assessment. The Principal/Head of the college shall forward to the University, the marks obtained by each candidate for internal assessment of parts I,II&III.
- V** The assessment in Part II (E1 & E2) comprising of practical courses and Part III (F1, F2 and F3) comprising of field engagement courses shall be evaluated internally by each college at the end of semester as per the details given in item # VII. The Principal/Head of college shall

forward to the University, the marks obtained by each candidate in part II and III in relevant semesters.

VI. Semester-wise Scheme of Courses:

Semester I

Part	Course Code	Course Title	Credits (Instructional +Notional)	Hours	Internal Marks	External Marks	Total
I	A1	Human Growth & Development	3 (2+1)	90	15	60	75
	A2	Contemporary India and Education	3 (2+1)	90	15	60	75
	B7	Introduction to Sensory Disabilities	3 (2+1)	90	15	60	75
	B8	Introduction to Neuro - Developmental Disabilities	3 (2+1)	90	15	60	75
	B9	Introduction to Locomotor& Multiple Disabilities	3 (2+1)	90	15	60	75
	C12	ASD: Assessment and Identification of Needs	3 (2+1)	90	15	60	75
II	E1	Practical: Cross disability and inclusion	2	60	50	Nil	50
	Total		20	600	140	360	500

Semester II

Part	Course Code	Course Title	Credits (Instructional +Notional)	Hours	Internal Marks	External Marks	Total
I	A3	Learning, Teaching and Assessment	3 (2+1)	90	15	60	75
	A4	Pedagogy of Teaching (optional course)	3 (2+1)	90	15	60	75
	A5	Pedagogy of Teaching (optional course)	3 (2+1)	90	15	60	75
	B6	Inclusive Education	3 (2+1)	90	15	60	75
	C13	ASD: Curriculum Designing, Adaptation and Evaluation	3 (2+1)	90	15	60	75
II	E2	Practical: Disability specialization	5	150	125	NIL	125
	Total		20	600	200	300	500

Semester III

Part	Course Code	Course Title	Credits (Instructional +Notional)	Hours	Internal Marks	External Marks	Total
I	B10	Skill-based Optional Course (Cross Disability&	3 (2+1)	90	15	60	75

		Inclusion) ANY ONE					
	C14	Autism Spectrum Disorders: Teaching Approaches and Strategies	3 (2+1)	90	15	60	75
	C15	Autism Spectrum Disorders: Assistive Interventions and Technology	3 (2+1)	90	15	60	75
	C16	Autism Spectrum Disorders: Adulthood and Family Issues	3 (2+1)	90	15	60	75
	D17	Reading and Reflecting on Texts	2 (1+1)	60	10	40	50
II	E2	Practical: Disability Specialization	4	120	100	Nil	100
III	F1	Field Engagement: Disability Specialization	3	90	75	Nil	75
	Total		21	630	245	280	525

Semester IV

Part	Course Code	Course Title	Credits (Instructional +Notional)	Hours	Internal Marks	External Marks	Total
I	B11	Skill-based Optional Course (Disability Specialization) ANY ONE	3 (2+1)	90	15	60	75
	D18	Drama & Art in Education	2 (1+1)	60	10	40	50
	D19	Basic Research and Basic Statistics	2 (1+1)	60	10	40	50
II	E1	Practical: Cross Disability and Inclusion	4	120	100	Nil	100
III	F2	Field Engagement: Other Disability	4	120	100	Nil	100
	F3	Field Engagement: Inclusive school	4	120	100	Nil	100
	Total		19	570	335	140	475

VII Scheme and Details of Assessment of Theory (Part A) courses:

The performance of the candidates in each of the theory courses shall be evaluated through internal assessment and semester end assessment.

- 1. Internal Assessment** will be on the basis of continuous evaluation as indicated in VI. The weightage of Internal Assessment will be 20 % of the total marks of each course.
- 2. Semester End Assessment** will be on the basis of performance in the semester endwritten examinations. The weightage of semester end assessment will be 80% of the total marks of each course.

Serial No.	Scheme of Assessment for Theory (Part I) Courses		
1	Internal Assessment for Areas A, B and C	Time	Marks
	<ul style="list-style-type: none"> Average of two class tests 		05

	<ul style="list-style-type: none"> Performance on Notional Hour tasks/experience 		10
	Internal Assessment for Area D		
	<ul style="list-style-type: none"> Performance on Notional Hour tasks/experience 		05
	<ul style="list-style-type: none"> Classroom participation 		05
2	End-Semester Assessment	2 hrs 30 minutes	60
	Question Paper Pattern for Areas A, B & C		
	<ul style="list-style-type: none"> 5 Essay type questions: one per module (any three) 		(12 x 3 = 36 marks)
	<ul style="list-style-type: none"> 6 short questions: Minimum one per module (any four) 		(6 x 4 = 24 marks)
	Question Paper Pattern for Area D	2 hrs	40
	<ul style="list-style-type: none"> 4 Essay type questions: (any two) not more than one from any module 		(12 x 2 = 24 marks)
	<ul style="list-style-type: none"> 6 short questions: Minimum one per module (any four) 		(4 x 4 = 16 marks)

VIII Scheme of Assessment for Part II & III Courses

There will be no Semester End examination for Part II & III. Assessment for the courses will be done internally as indicated in item # VI.

R 8930 Standard of Passing

- The passing percentage of Part I, Part II & Part III is 50% for each course (Internal and external separately) in all the four semesters separately. However, the candidate must pass all internals of all parts separately for appearing in semester end theory examination (I/II/III/IV) . If the minimum passing mark is in decimal points, the same may be converted to a whole number (Eg. a course of 15 marks internal will require a minimum pass mark of 08).
- The passing percentage of Part II & III is 50% each in all the four semesters separately. If the minimum passing mark is in decimal points, the same may be converted to a whole number.
- The overall grade of the B. Ed.Spl. Ed. (ASD) program will be calculated on the basis of total marks obtained in all four semesters. The grade, marks and grade points are as follows:

Grades and Grade Points

Letter Grade	Marks	Grade Point
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O	1500 and above	7
A	1400 to 1499	6
B	1300to 1399	5
C	1200 to 1299	4
D	1100 to 1199	3
E	1000 to 1099	2
F	999 and below	1

R 8931 Method for Carrying Forward Marks

- (i) Candidates are required to pass in both internal and external assessments independently.
- (ii) A candidate who scores 50% or more in the Internal Assessment but FAILS in the Semester End Examination of the Course shall reappear for the Semester End Examination of that Course only. However, his/her marks of the internal assessment shall be carried forward.

(B) ATKT (Allowed To Keep Term)

- (i) A student shall be allowed to keep term/s for consecutive semester/s irrespective of number of heads of failure in earlier semester/s.
- (ii) The result of semester IV shall be kept in abeyance until the student passes all semesters (semester I, II &III).
- (iii) A maximum of three years from the date of admission to the program is allowed for program completion. Number of attempts is limited to maximum 3 per course - inclusive of the first attempt.
- (iv) A candidate failing in part I semester end examination can reappear for the examination without putting in attendance for the instructional hours of that course/s.
- (v) If a candidate does not appear for the semester end examination fully or partially, he/she will be considered as a failure candidate. However, he/she is eligible for reappearing facility and his/her internal marks will be carried forward.

R. 8932 Student Intake : As per the RCI recognition given to the college , the college can admit minimum 20 and maximum 30 students per batch (Additional seats for OBC candidates as per Govt. Of India Directives where ever applicable OBC)

R 8933 Faculty Norms : As per RCI Norms

R 8934 Fee structure: As per RCI / University/ State Government /Central Government –which ever applicable

Note: It is mandatory for every teacher with BEd. Spl.Ed. (ASD) to obtain a “Registered Professional Certificate” from the Rehabilitation Council of India to work in the field of education of children with disabilities in India. Hence, successful candidates of B.Ed.Spl.Ed.(ASD) shall have to register their names with RCI. As continuous professional growth is necessary for the renewal of the certificate in every 5 years, the teachers in this field should involve self in professional development activities like undergoing in-service programs periodically or publishing articles. Amendments, if any, to the regulations will be made periodically by the Rehabilitation Council of India.

PART I: AREA A, B, C, D THEORY COURSES

A1 HUMAN GROWTH & DEVELOPMENT

Course Code: A1
Contact Hours: 60

Credit: 03
Notional Hours 30
Marks: 75

Introduction

This course exposes student teachers to the study of child and human development in order to gain a better understanding about variations and the influence of socio-cultural-political realities on development. A critical understanding of theoretical perspectives of development would aid in their application in teaching learning process. Through close observation of children in their natural environments the teacher trainee would be able to situate their theoretical knowledge within realistic frames. This course would also be able to equip the trainees to reflect and critique the normative notions of childhood and adolescence.

Objectives:

After studying this course the student- teachers will be able to

- *explain the process of development with special focus on infancy, childhood and adolescence*
- *critically analyze developmental variations among children*
- *comprehend adolescence as a period of transition and threshold of adulthood*
- *analyze different factors influencing child development*

Module 1: Approaches to Human Development

- 1.1 Human development as a discipline from infancy to adulthood
- 1.2 Concepts and Principles of development
- 1.3 Developing Human- Stages (Prenatal development, Infancy, Childhood, Adolescence, Adulthood)
- 1.4 Nature vs Nurture
- 1.5 Domains (Physical, Sensory- perceptual, Cognitive, socio-emotional, language and communication, Social relationship)

Module 2: Theoretical approaches to development

- 2.1 Cognitive & Social- cognitive theories (Piaget, Vygotsky, Bruner, Bandura)
- 2.2 Psychosocial theory (Erikson,
- 2.3 Psychoanalytic Theory (Freud)
- 2.4 Ecological Theory (Bronfrenbrenner)
- 2.5 Holistic Theory of Development (Steiner)

Module 3: *The Early Years (Birth to Eight Years)*

- 3.1 Prenatal development: Conception, stages and influences on prenatal development,
- 3.2 Birth and Neonatal development: Screening the newborn - APGAR Score, Reflexes and responses, neuro-perceptual development
- 3.3. Milestones and variations in Development
- 3.4 Environmental factors influencing early childhood development
- 3.5 Role of play in enhancing development

Module 4: *Middle Childhood to Adolescence (From nine years to eighteen years)*

- 4.1 Emerging capabilities across domains of physical and social emotional
- 4.2 Emerging capabilities across domains related to cognition - metacognition, creativity, ethics
- 4.3 Issues related to puberty
- 4.4 Gender and development
- 4.5 Influence of the environment (social, cultural, political) on the growing child

Module 5: *Transitions into Adulthood*

- 5.1 Psychological well-being
- 5.2 Formation of identity and self-concept
- 5.3 Emerging roles and responsibilities
- 5.4 Life Skills and independent living
- 5.5 Career Choices

Practicum (Any Two):

Notional Hours: 30 hrs 10 Marks

- 1.Observe children in various settings, identify milestones achieved and submit report
- 2. Seminar on human development
- 3. Writing Journal for reflection and case study

Suggested Reading:

- Berk, L. E. (2000). Human Development, Tata Mc.Graw Hill Company, New York
- Brisbane, E. H. (2004). The developing child, Mc.Graw Hill, USA
- Cobb. N. J. (2001). The child infants, children and adolescents, Mayfield Publishing company, California
- Hurlocl, E. B. (2005). Child growth and development, Tata Mc.Graw Hill Publishing company, New york
- Hurlocl, E. B. (2006). Developmental Psychology- A life span approach, Tata Mc.Graw Hill Publishing company, New Delhi
- Mittal. S. (2006). Child development- Experimental Psychology, Isha books, Delhi
- Nisha, M. (2006). Introduction to child development, Isha books, Delhi
- Papalia, D. E. and Olds, S. W.(2005). Human development, Tata Mc.Graw Hill Publishing company, New York

- Santrock. J. W. (2006). Child Development, Tata Mc.Graw Hill Publishing company, New York
- Santrock. J. W. (2007). Adolescence, Tata Mc.Graw Hill Publishing company, New Delhi
- Meece, J. S. & Eccles J. L (Eds) (2010). *Handbook of Research on Schools, Schooling and Human Development*, Routledge.

A2 CONTEMPORARY INDIA AND EDUCATION

Course Code: A2
Contact Hours: 60

Credit: 03
Notional Hours 30
Marks: 75

Introduction

This course will enable student-teachers to explore education from philosophical and sociological perspective and hands on experience of engaging with diverse communities, children and schools. It also traces the educational developments in the historical context leading to contemporary India. The course also includes various commissions and policies and issues and trends in the field of education, special education and inclusive education.

Objectives

After completing this course the student teachers will be able to-

- *Explain the history, nature and process and Philosophy of education*
- *Analyse the role of educational system in the context of Modern Ethos*
- *Understand the concept of diversity*
- *Develop an understanding of the trends, issues, and challenges faced by the contemporary Indian Education in global context*

Module 1: Philosophical Foundations of Education

- 1.1 Education: Concept, definition and scope
- 1.2 Agencies of Education: School, family, community and media
- 1.3 Philosophies of Education: idealism, naturalism, pragmatism, existentialism, humanism, constructivism and connectionism
- 1.4 Historical Perspective of Indian Education (Gandhi, Tagore, Krishna Murthy, Aurobindo)
- 1.5 Contemporary Indian Perspective

Module 2: Understanding Diversity 12 hrs

- 2.1 Concept of Diversity
- 2.2 Types of Diversity: Gender, linguistic, cultural, socio-economic and disability
- 2.3 Diversity in learning and play
- 2.4 Addressing diverse learning needs
- 2.5 Diversity: Global Perspective

Module 3: Contemporary Issues and Concerns

- 3.1 Universalisation of School Education, Right to Education and Universal Access
- 3.2 Issues of a) Universal enrolment b) Universal retention c) Universal learning
- 3.3 Issues of quality and equity: Physical, economic, social, cultural and linguistic, particularly w.r.t girl child, weaker sections and disabled
- 3.4 Equal Educational Opportunity: (i) Meaning of equality and constitutional provisions (ii) Prevailing nature and forms of inequality, including dominant and minority groups and related issues

- 3.5 Inequality in Schooling: Public-private schools, rural-urban schools, single teacher schools and other forms of inequalities in school systems

Module 4: Education Commissions and Policy

- 4.1 Constitutional provisions on education that reflect National Ideals: Equality, liberty, secularism, and social justice
- 4.2 National Commissions and Policies: Kothari Commission (1964), NPE and POA (1986, 1992), National Policy for Persons with Disabilities (2006)
- 4.3 National Acts: RCI Act, 1992, PWD Act, 1995, NT Act, 1999, RTE Act (2009 & 2012).
- 4.4 Programmes and Schemes: IEDC (1974, 1983), SSA (2000, 2011), RMSA, 2009, IEDSS, 2009
- 4.5 International Conventions and Policies: Salamanca Declaration and Framework, 1994, UNCRPD, 2006, MDG, 2015, INCHEON strategies

Module 5: Issues and Trends in Education 12 hrs

- 5.1 Challenges of education from preschool to senior secondary
- 5.2 Inclusive education as a rights based model
- 5.3 Complementarity of inclusive and special schools
- 5.4 Language issues in education
- 5.5 Community participation and community based education

Practicum (Any Two)

Notional Hours: 30 hrs 10 Marks

1. Critically review the RTE Act in the context of disadvantaged
2. Compare any two philosophies of education
3. Report on classroom observation in a municipal school to identify the challenges of education

Essential Readings

- Government of India (GoI) (1966). National Education Commission (1964-66), Ministry of Education: New Delhi.
- Government of India (GoI) (1986/92). New Education Policy, MHRD: New Delhi.
- Guha, Ramchandra (2007). India after Gandhi: The History of the World's Largest Democracy. Macmillan: Delhi
- GoI (2010). Right to Education Act 2009, MHRD: New Delhi.

Suggested Readings

- Aggarwal. J. C. (1992). Development and Planning of Modern Education: New Delhi Vikas Publishing House Pvt. Ltd.
- Amartya Sen, and Jean Dreze (1997). India: Economic Development and Social Opportunity, Oxford India: Delhi. Select Chapters.
- Anand, S. P. (1993). The Teacher & Education in Emerging Indian Society, New Delhi: NCERT.
- Bhat. B. D. (1996). Educational Documents in India, New Delhi: Arya Book Depot.
- Bhatia, K. & Bhatia, B. (1997): The Philosophical and Sociological Foundations, New Delhi Doaba House.
- Biswas. A. (1992): Education in India, New Delhi: Arya Book Depot.

- Biswas. A. and Aggarwal, J.C. (1992). Education in India, New Delhi: Arya Book Depot.
- Chakravarty, Sukhamoy (1987). Development Planning: The Indian Experience, Oxford University press: New Delhi.
- Choudhary. K.C. and Sachdeva, L. (Eds) (1995): Total literacy by 2000: New Delhi: IAE Association.
- Dubey, S. C (2001). Indian Society, National Book Trust: New Delhi.
- Ain, L. C. (2010). Civil Disobedience, Book Review Literary Trust: New Delhi. Select chapters.
- Kashyap, S. C. (2009). The Constitution of India, National Book Trust: New Delhi.
- Mohanty, Jagannath. (1993). Indian Education in the Emerging Society, New Delhi Sterling publishers Pvt. Ltd.
- Sapra. C. L. and Ash Aggarwal, (Ed.,) (1987): Education in India some critical Issues. New Delhi: National Book Organisation.
- Saraswathi, T. S. (1999). Culture, Socialization and Human Development, New Delhi: Sage Publications.
- Steven, B. (1998). School and Society, New Delhi: Sage Publications.
- Suresh, D. (1998). Curriculum and Child Development, Agra: Bhargava.
- Taneja. V. R. (1998). Educational Thoughts and Practice, Delhi University Publications.
- Vaidyanathan, A. (1995). The Indian Economy: Crisis, Response and Prospects. Tracts of the Times. Orient Longman Publications: New Delhi.
- Weber. O.C. (1990). Basic Philosophies of Education, New York Holt, Rinehart and Winston.

A3 LEARNING, TEACHING AND ASSESSMENT

Course Code: A3
Hours: 60

Credit:03 **Contact**
Notional Hours 30

Marks: 75

Introduction

This Course will initiate teacher Trainees to understand learning theories and as these translate into teaching and learning actions. Assessment of learning as a continuous process is also focused. The course also needs to focus on the PwD as Learner and their special education needs that teacher needs to address in diverse education settings.

Objectives

After completing this course the student will be able to:

- *Comprehend the theories of learning and intelligence and their applications for teaching children*
- *Analyse the learning process, nature and theory of motivation*
- *Describe the stages of teaching and learning and the role of teacher*
- *Situate self in the teaching learning process*
- *Analyze the scope and role of assessment in teaching learning process in order to introduce dynamic assessment scheme for educational set up towards enhanced learning.*

Module1: *Human Learning and Intelligence*

- 1.1 Human learning: Meaning, definition and concept formation
- 1.2 Learning theories:
 - Behaviourism: Skinner, Thorndike
 - Cognitivism: Piaget, Kohlberg
 - Social Constructivism: Vygotsky, Bandura
- 1.3 Intelligence:
 - Concept and definition
 - Theories: Two-factor, Multifactor, Triarchic Theory (Robert Steinberg)
- 1.4 Creativity: Concept, Definition and Characteristics
- 1.5 Implications for Classroom Teaching and Learning

Module 2: *Learning Process and Motivation*

- 2.1 Sensation: Definition and Sensory Process
- 2.2 Attention: Definition and Affecting Factors
- 2.3 Perception: Definition and Types
- 2.4 Memory, Thinking, and Problem Solving
- 2.5 Motivation: Nature, Definition and Maslow's Theory

Module3: *Teaching Learning Process*

- 3.1 Maxims of Teaching
- 3.2 Stages of Teaching: Plan, Implement, Evaluate, Reflect
- 3.3 Stages of Learning: Acquisition, Maintenance, Generalization
- 3.4 Learning Environment: Psychological and Physical
- 3.5 Leadership Role of Teacher in Classroom, School and Community

Module 4: *Overview of Assessment and School System*

- 4.1 Assessment: conventional meaning and constructivist perspective
- 4.2 'Assessment of Learning' and 'Assessment for Learning': Meaning and difference
- 4.3 Comparing and contrasting assessment, evaluation, measurement, test and examination
- 4.4 Formative and summative evaluation, Curriculum Based Measurement
- 4.5 Revisiting key concepts in school evaluation: filtering learners, marks, credit, grading, choice, alternate certifications, transparency, internal-external proportion, improvement option

Module 5: *Assessment: Strategies and Practices*

- 5.1 Strategies: (Oral, written, portfolio, observation, project, presentation, group discussion, open book test, surprise test, untimed test, team test, records of learning landmark, cloze set/open set and other innovative measures) Meaning and procedure
- 5.2 Typology and levels of assessment items: open ended and cloze ended; direct, indirect, inferential level
- 5.3 Analysis, reporting, interpretation, documentation, feedback and pedagogic decisions
- 5.4 Assessment of diverse learners: Exemptions, concessions, adaptations and accommodations;
- 5.5 School examinations: Critical review of current examination practices and their assumptions about learning and development; Efforts for exam reforms: Comprehensive and Continuous Evaluation (CCE), NCF (2005) and RTE (2009)

Practicum (Any Two): Notional Hours: 30 hrs 10 Marks

1. Report submission: observation of children belonging to any three stages of development and describing applications of development in teaching-learning contexts
2. Prepare a leaflet for parents on better emotional management of children
3. Compilation of 5 CBM tools from web search in any one school subject

TRANSACTIONS

Understanding most of the concepts introduced through this course is essential for any classroom teacher. Hence, curriculum transactions may involve lectures with adequate explanations and examples with reference to Indian context. Class discussions must follow theoretical introductions so that the student teachers are able to link this knowledge with whatever observations and reflections they are making in schools. Suggested library readings prior to the lecture will help student teachers to get familiarized with the notions and appropriate terms. Evaluations must focus on understanding the concepts and processes with reference to students with and without special needs.

Essential Readings

- Amin, A. (2002) Assessment of Cognitive Development of Elementary School Children A Psychometric Approach Jain Book Agency
- Panch, R. (2013). Educational Psychology: Teaching and Learning Perspectives McGraw Hill Education (India) Private Limited
- Misra, G., Jha, A., & Woolfolk, A. (2012). Fundamentals of Educational Psychology 11th edn Pearson Publication
- Whitcomb, S. and Merrell, K.W. (2012). Behavioral, Social, and Emotional Assessment of Children and Adolescents Routledge 4th edn.
- Chauhan, S.S. (2013). Advanced Educational Psychology. Jain Book Agency, Delhi
- Salvia, John, Ysseldyke, James, E. And Bolt, Sara. (2007). Assessment in Special and Inclusive Education. Houghton Mifflin Company, Boston.
- King-Sears, E. Margaret. (1994). Curriculum Based Assessment in Special Education. Singular Publishing Group
- Paul, P. (2009). Language and deafness. Singular publication

Desired Reading

- Geisinger, K.F. (2013) APA Handbook of Testing and Assessment in Psychology. Available at American Psychological Association, USA
- Howell, Kenneth W., (2000). Curriculum Based Evaluation. (3rd Ed). Wordsworth Thompson Learning.
- McMillan, James H. (2001). Classroom Assessment: Principles and Practice for Effective Instruction. Allyn and Bacon, London.
- Nevo, David. (1995). School based Evaluation. Pergamon Publishing
- Salvia, J. (1998). Assessment. (7th ed) Boston: Houghton Mifflin
- Guskey, T. R. & Bailey, J (2000). Grading and Reporting. Thousand Oaks, CA: Corwin King-

Course Code: A4 (a) Credits: 03

Contact Hours: 60

Notional Hours 30

Marks: 75

Introduction

The course will help the student-teachers to generate their student's interest for learning science and develop a scientific attitude. It is designed to equip the student-teachers to teach science using innovative methods, techniques and teaching learning material to students with & without disabilities.

Objectives

After completing the course the student-teachers will be able to:

- *Explain the role of science in day to day life and its relevance to modern society.*
- *Describe the aims and objectives of teaching science at school level.*
- *Demonstrate and apply skills to select and use different methods of teaching the content of sciences.*
- *Demonstrate competencies of planning for teaching sciences, organizing laboratory facilities and equipment designing pupil centered teaching learning experiences.*
- *Demonstrate skills to design and use various evaluation tools to measure learner achievement in sciences.*

Module 1: Nature and Significance of Science

- 1.1 Nature, Scope, Importance and Value of Science.
- 1.2 Science As An Integrated Area of Study
- 1.3 Science and Modern Indian Society: Relationship of Science and Society.
- 1.4 Impact Of Science With Special Reference To Issues Related With Environment, Industrialization and Disarmament.
- 1.5 Role Of Science For Sustainable Development

Module 2: Planning for Instruction

- 2.1 Aims and Objectives of Teaching Science in Elementary and Secondary School
- 2.2 Bloom's Taxonomy of Educational Objectives and Writing Objectives in Behavioural Terms
- 2.3 Lesson Planning – Importance and Basic Steps. Planning Lesson for an Explanation, Demonstration, and Numerical Problem in Teaching of Sciences.
- 2.4 Unit Planning – Format of A Unit Plan.
- 2.5 Pedagogical Analysis: Meaning and Need. Guidelines for Conducting Pedagogical Analysis

Module 3: Approaches and Methods of Teaching Sciences

- 3.1 Process approach, Direct Experience Approach, Inductive-Deductive Approach,
- 3.2 Lecture, Demonstration, Discussion, Problem-solving, Concept-mapping, Programmed Instruction, Team Teaching, Seminar, Computer Assisted Learning (CAL)
- 3.3 Project Method and Heuristic Method
- 3.4 Creating Different Situations of Learning Engagement: Group Learning, Individual Learning, Small Group, Cooperative (Peer-Tutoring, Jigsaw Etc.), Situated/Contextual Learning with reference to Children With Disabilities
- 3.5 Constructivist Approach and its Use in Teaching Science

Module 4: *Learning Resources for Children with Disabilities for Teaching Science*

- 4.1 Teaching Learning Aids – Need, Importance, Selection, Use and Classification of Aids Based on Type of Experience, Audio Visual Aids, Multimedia, Charts, and Models (Tactile and Visual)
- 4.2 Importance of Co-Curricular Activities-Science Club, Science Exhibition, Science Text Books-Characteristics and Significance With Reference To Children With Disabilities
- 4.3 The Science Laboratory-Planning Organization of Lab, Storage, Record Keeping And Safety of Scientific Equipments With Reference To Children With Disabilities
- 4.4 Aquarium, Vivarium – Role in Teaching With Setting & Maintaining
- 4.5 Museum, Botanical And Zoological Garden: Role In Teaching

Module 5: *Evaluation*

- 5.1 Evaluation-Concept, Nature and Need,
- 5.2 Norm Referenced & Criterion Referenced Evaluation, Comprehensive and Continuous Evaluation: Concept and Significance, Scholastic and Co-Scholastic Assessment,
- 5.3 Tools and Techniques for Formative and Summative Assessments
- 5.4 Preparation of Diagnostic Test and Achievement Test
- 5.5 Adaptations of Evaluation Procedure With Reference To Children With Disabilities

Practicum (Any Two):

Notional Hours: 30 hrs 10 Marks

1. Pedagogical analysis of a unit from Science content.
2. Preparation of a multimedia presentation on a topic from Science content keeping students with disabilities in view.
3. Curricular adaptations for teaching Sciences to students with disabilities.

Essential Readings

- Brown, R. (1978). *Science instruction of visually Impaired Youth*. New York: AFB.
- Buxton, A C. (2010). *Teaching Science in Elementary and Middle School*. New Delhi: Sage Publications.
- Bybee, W. Roger (2010) *The Teaching of Science 21st Century Perspective National Science Teachers Association*, USA
- Fensham, P.J. (1994). *The content of Science: A constructive Approach to its Teaching and Learning*. Washington, D.C: The Falmer Press.
- Gupta, V. K. (1995). *Teaching and learning of Science and Technology*. New Delhi: Vikas Publishing House Pvt. Ltd.
- Henninen, K. A. (1975). *Teaching of Visually Handicapped*, Ohio: Charles E. Merrill Publishing Company
- Joshi, S. R (2005). *Teaching of Science*. New Delhi: A.P.H Publishing Corporation.
- Kelley, P. & Gale, G. (1998). *Towards Excellence: Effective education for students with vision impairments*, Sydney: North Rocks Press.
- Layton, D. (1989). *Innovations in Science and Technology Education*, New Delhi: Sterling Publishers

- Lawson, E. A. (2010). *Teaching Inquiry Science in Middle School*, New Delhi: Sage Publications.
- Mani, M. N. G. (1992). *Techniques of teaching blind children*, New Delhi: Sterling Publishers.
- Mukhopadhyay, S., Jangira, N. K., Mani, M.N. G., & Raychowdhary, N. (1987). *Sourcebook for training teachers of visually impaired*, Delhi: NCERT.
- Murray, L. J. (1988). *Basic Skills – Science*, Boston: John Murrey.
- NCERT (1982). *Teaching Science in secondary schools*, New Delhi: NCERT.
- NIVH (1992). *Handbook for the teachers for the visually handicapped*, Dehradun: NIVH.
- Scholl, G.T. (1986). *Foundations of education for blind and visually handicapped children and youth*, New York: American Foundation for the blind.
- Sharma, R. C. (2005). *Modern Science teaching*, Delhi: Dhanpat Rai & Sons.
- Siddiqui, H. M. (2007). *Teaching science*, New Delhi: Balaji offset.
- Siddiqui, N.N & Siddiqui, M. N. (1994). *Teaching of science today & tomorrow*, Delhi: Doaba House.
- Starin, A. & Sund, B. (1983). *Teaching science through discovery*. Ohio: Charles E. Merrill Publishing Company.
- Tripathi, S. (2004). *Teaching of Physical Science*, Delhi: Dominant Publications
- UNESCO (1966). *Source Book for Science Teaching*, Paris: UNESCO.
- Vaidya, N. (2003). *Science Teaching in Schools*, New Delhi: Deep & Deep Publishers.
- Vanaja, M. (2006). *Teaching of Physical Science*, Hyderabad: Neelkamal Publications.

Suggested Readings

- Gupta, S. K. (1983). *Technology of Science Education*, Delhi: Vikas Publishing House Pvt. Ltd.
- Gupta, V. K. (1995). *Readings in Science and Mathematics Education*, Ambala: The Associated Press.
- Mangal S. K & Shubhra (2005). *Teaching of Biological Sciences*, Meerut: International Publishing House.
- Rao, V.K. (2004). *Science Education*, APH Publishing Corpn. New Delhi

A4 PEDAGOGY OF TEACHING MATHEMATICS

Course Code: A4 (b)

Credits: 03

Contact Hours: 60

Notional Hours 30

Marks: 75

Introduction

The course will help the student-teachers to generate their student's interest for learning maths and develop dispositions towards the subject. It is designed to equip the learners to teach maths using innovative methods, techniques and teaching learning material for children with & without disabilities.

Objectives

After completing the course the student-teachers will be able to:

- *Explain the nature of Mathematics and its historical development with contribution of Mathematicians.*
- *Describe the aims and objectives of teaching Mathematics at school level.*
- *Demonstrate and apply skills to select and use different methods of teaching Mathematics.*
- *Demonstrate competencies of planning for teaching Mathematics, organizing laboratory facilities and equipment designing pupil centered teaching learning experiences.*
- *Demonstrate skills to design and use various evaluation tools to measure learner achievement in Mathematics.*

Module 1: Nature of Mathematics

- 1.1 Meaning, Nature, Importance and Value Of Mathematics
- 1.2 Axioms, Postulates, Assumptions and Hypothesis in Mathematics.
- 1.3 Historical Development of Notations and Number Systems
- 1.4 Contribution of Mathematicians (Ramanujam, Aryabhata, Bhaskaracharya, Euclid, Pythagoras)
- 1.5 Perspectives on Psychology of Teaching and Learning of Mathematics-Constructivism, Enactivism, Vygotskyian Perspectives, and Zone of Proximal Development.

Module 2: Objectives and Instruction Planning in Mathematic

- 2.1 Aims and Objectives of Teaching Mathematics in Elementary and Secondary Schools
- 2.2 Bloom's Taxonomy of Educational Objectives and Writing Objectives in Behavioural Terms
- 2.3 Lesson Planning–Importance and Basic Steps. Planning Lesson of Arithmetic, Algebra and Geometry.
- 2.4 Unit Planning – Format of A Unit Plan.
- 2.5 Pedagogical Analysis: Meaning and Need and Procedure for Conducting Pedagogical Analysis. Classification of Content, Objective, Evaluation, Etc

Module 3: Strategies for Learning and Teaching Mathematic

- 3.1 Concept Formation and Concept Attainment: Concept Attainment Model for Learning and Teaching of Concepts.
- 3.2 Learning By Exposition: Advanced Organizer Model
- 3.3 Methods of Teaching- Lecture, Discussion, Demonstration, Inductive-Deductive, Analytic-Synthetic, Problem-Solving, And Project
- 3.4 Techniques of Teaching Mathematics: Oral Work, Written Work, Drill-Work, Brain-Storming And Computer Assisted Instruction (CAI)
- 3.5 Creating Different Situations of Learning Engagement: Group Learning, Individual Learning, Small-Group, Cooperative (Peer-Tutoring, Jigsaw Etc.), And Situational/Contextual Learning

Module 4: Learning Resources in Mathematics for Students with Disabilities 12 hrs

- 4.1 Mathematics Laboratory- Concept, Need, And Equipment for Setting Up A Mathematics Laboratory

- 4.2 Utilization of Learning Resources in Mathematics: Charts and Pictures, Weighing and Measuring Instruments, Drawing Instruments, Models, Concrete Materials, Surveying Instruments With Reference To Children With Disabilities
- 4.3 Bulletin Boards and Mathematics Club
- 4.4 Abacus, Cussionaire Rods, Fractional Discs, Napier Strips.
- 4.5 Calculators, Computers, Smart Boards, Multimedia Presentations, and Special Aids and Appliances For Children With Disabilities

Module 5: Assessment and Evaluation for Mathematics Learning

- 5.1 Assessment And Evaluation-Concept, Importance and Purpose
- 5.2 Error Analysis, Diagnostic Tests, Identification of Hard Spots and Remedial Measures.
- 5.3 Tools and Techniques for Formative and Summative Assessments of Learner Achievement in Mathematics and Comprehensive And Continuous Evaluation in Mathematics
- 5.4 Preparation of Diagnostic and Achievement Test
- 5.5 Adaptations in Evaluation Procedure for Students With Disabilities

Practicum (Any Two):

Notional Hours: 30 hrs 10 Marks

1. Preparation of a multimedia presentation on a topic with special reference to students with disabilities
2. Construction of a question paper based on current CBSE format/concerned State Board of education, preparing its Scoring key, and marking scheme.
3. Analyzing errors committed by school children in Mathematics and preparing a remedial plan

Essential Readings

- Carey, L.M. (1988). *Measuring and Evaluating School Learning*, Boston: Allyn and Bacon.
- Chambers, P. (2010). *Teaching Mathematics*, New Delhi: Sage Publication South Asia.
- Chapman, L. R. (1970). *The Process of Learning Mathematics*, New York: Pregamon Press.
- David, H., Maggie, M. & Louann, H. L. (2007). *Teaching Mathematics Meaningfully: Solutions for Reaching Struggling Learners*, Canada: Amazon Books.
- David, W. (1988). *How Children Think and Learn*, New York: Blackwell Publishers Ltd.
- James, A. (2005). *Teaching of Mathematics*, New Delhi: Neelkamal Publication
- Kumar, S. (2009). *Teaching of Mathematics*, New Delhi: Anmol Publications.
- Mangal, S.K. (1993). *Teaching of Mathematics*, New Delhi: Arya Book Depot.
- Mani, M. N. G. (1992). *Techniques of Teaching Blind Children*, New Delhi: Sterling Publishers.
- Mukhopadhyaya, S., Jangira, N. K., Mani, M.N. G., & Raychaudhary, N. (1987). *Sourcebook for Training Teachers of Visually Handicapped*, Delhi: NCERT.
- Nemeth, A. (1973). *Nemeth Code for Mathematics and Scientific Notation*, Loviseville K: American Printing House.
- Shankaran & Gupta, H. N. (1984). *Content-Cum-Methodology of Teaching Mathematics*, New Delhi: NCERT.
- Siddhu, K.S. (1990). *Teaching of Mathematics*, New Delhi: Sterling Publishers.

- Suggested Readings
- Keeley, P. K. & Cheryl, T. R. (2011). *Mathematics Formative Assessment*, **Canada**: Sage Publications
- NCERT (2005). *National Curriculum Framework*, New Delhi: NCERT
- NCTE (2009). *National Curriculum Framework for Teacher Education*, New Delhi: NCTE.
- IGNOU (2000), *Teaching of Mathematics (ES-342) Blocks 1-4*, IGNOU, New Delhi.
- N.C.E.R.T (2006), *Text Books of Mathematics for class-VI to X*, NCERT, New Delhi.

A4 PEDAGOGY OF TEACHING SOCIAL SCIENCE

Course Code: A4 (c)

Credits: 03

Contact Hours: 60

Notional Hours 30

Marks: 75

Introduction

This course explores the scope of social science. It develops competencies in designing lesson plans and evaluations tools. It addresses the knowledge and understanding of the methodologies, approaches to teach social sciences at secondary level and also modify and adapt content-area curricula, materials and techniques for students with disabilities. The course also focuses on various skills and competencies that teachers need to develop.

Objectives

After completing the course the learners will be able to:

- *Explain the concept, nature and scope of social science.*
- *Develop competencies for designing unit and lesson plans, as well as tools of evaluation for social science teaching.*
- *Develop skills in preparation and use of support materials for effective social science teaching.*
- *Develop the ability to organize co-curricular activities and community resources for promoting social science learning.*

Module 1: Nature of Social Sciences

- 1.1 Concept, scope and nature of social science
- 1.2 Difference between social sciences and social studies
- 1.3 Aims and objectives of teaching social science at school level.
- 1.4 Significance of social science as a core subject
- 1.5 Role of social science teacher for an egalitarian society

Module 2: Curriculum and Instructional Planning

- 2.1 Organization of social science curriculum at school level
- 2.2 Instructional Planning: Concept, need and importance
- 2.3 Unit plan and lesson plan: need and importance
- 2.4 Procedure of Unit and lesson Planning
- 2.5 Adaptation of unit and lesson plans for children with disabilities

Module 3: Approaches to teaching of Social Science

- 3.1 Curricular approaches: a) Coordination b) Correlational c) Contentric d) Spiral e) Integrated f) Regressive

- 3.2 Methods of teaching social science: Lecture, discussion, socialized recitation, source and project method.
- 3.2.1. Devices and techniques of teaching social studies – Narration, description, illustration, questioning, assignment, field trip, story telling, Role play, Group and self study, programmed learning, inductive thinking, Concept mapping, expository teaching and problem solving
- 3.3 Accommodations required in approaches for teaching children with disabilities
- 3.4 Instructional material for teaching of social science: Time-lines & Genealogical charts, Maps & Globes, Use of different types of Boards(Smart boards, Chalk Board, Flannel Board), Tape-records, Radio, Television, Films & Filmstrips, Overhead Projector, Social science games and Power Point Presentation.
- 3.5 Adaptations of material for teaching children with disabilities

Module 4: *Evaluation of learning in Social Science*

- 4.1 Purpose of evaluation in social science
- 4.2 Techniques of evaluating learner achievement in social Science: Written and Oral tests, Observation Tools, Work Samples, Portfolio
- 4.3 Assessment: tools and techniques of Continuous and Comprehensive Evaluation(CCE) for curricular and co-curricular subjects
- 4.4 Construction of teacher made test
- 4.5 Diagnostic testing and enrichment techniques for children with disabilities

Module 5: *Social Science Teacher as a Reflective Practitioner*

- 5.1 Being a reflective practitioner- use of action research
- 5.2 Developing an Action Research Plan for solving a problem in teaching- learning of social science.
- 5.3 Case study- need and importance for a school teacher
- 5.4 Development of a Professional Portfolio/ teaching Journal
- 5.5 Competencies for teaching social science to children with disabilities

Practicum (Any Two):

Notional Hours: 30 hrs 10 Marks

1. Prepare a unit of social science content for a given child with disabilities
2. Adapt teaching learning materials for a child with disabilities.
3. Develop questions and achievement tests in social science

Suggested Readings:

- Aggarwal, D.D (2000) Methods of Teaching Geography, Sarup& Sons, New Delhi
- Aggarwal. J.C (2008). Teaching of social studies: A practical approach .(4th ed). UP: Vikas Publishing House Pvt Ltd.
- Aggarwal. J. C. (2008). Principles, methods & techniques of teaching. UP: Vikas Publishing House Pvt Ltd.
- Batra ,P. (2010) Social Science Learning in Schools Perspective and Challenges, Sage Publications Pvt. Ltd; Pap/Com edition
- Chauhan, S. S. (2008). Innovations in teaching learning process. UP: Vikas Publishing House Pvt Ltd.
- Dhand, H. (2009). Techniques of Teaching. New Delhi: APH Publishing Corporation.
- Duplass, J. A. (2009). Teaching elementary social studies. New Delhi: Atlantic Publishers.

- George Alex M. & Manad Amman (2009) *Teaching Social Science in Schools : NCERT'S New Textbook Initiative*
- Mangal S.K. (2004) *Teaching of Social Science*, Arya Book Depot, Delhi
- Mangal, Uma (2005) *Samajik Shikshan*, Arya Book Depot, New Delhi.
- Rai B.C (1999) *Methods of Teaching Economics*, Prakashan Kendra, Lucknow.
- Sharma, R. A. (2008). *Technological foundation of education*. Meerut: R.Lall Books Depot.
- Sharma, R. N. (2008). *Principles and techniques of education*. Delhi: Surjeet Publications.
- Singh, Y. K. (2009). *Teaching of history: Modern methods*. New Delhi: APH Publishing Corporation.
- Stone Randi (2008) *Best Practices for Teaching Social Studies: What Award-Winning Classroom Teachers Do*, Corwin

A5 PEDAGOGY OF TEACHING HINDI

Course Code: A5(a)
Contact Hours: 60
Marks: 75

Notional Hours 30

Credits: 03

PEDAGOGY OF TEACHING HINDI

Course Code: A 5 (Part IV)

Credits: 04

Contact Hours: 60 (६०घंटे)

Marks: 100

पाठ्यक्रम के उद्देश्य — प्रस्तुत पाठ्यक्रम द्वारा विद्यार्थियों इस योग्य होंगे कि —

- व्यक्ति तथा समाज के जीवन और विकास में भाषा के योगदान से परिचित होंगे।
- मूलभूत भाषा कौशलों और भाषा अधिगम में उनकी भूमिका का अनुभव करेंगे।
- इकाई नियोजन और पाठ योजना की प्रक्रिया में कुशल होंगे।
- हिन्दी शिक्षण के विशिष्ट व्यावहारिक उद्देश्यों के निर्धारण और लेखन में सक्षम होंगे।
- हिन्दी शिक्षण के अधिगम लक्ष्यों की प्राप्ति के लिए प्रयोज्य शिक्षण विधियों का प्रयोग करेंगे।
- हिन्दी शिक्षण के उद्देश्यों की सहज प्राप्ति के लिए सहायक उपकरणों के निर्माण और उपयोग में दक्ष होंगे।
- भाषा अधिगम में सतत एवं व्यापक मूल्यांकन प्रविधि के उपयोग कुशलतापूर्वक करेंगे।
- भाषा अधिगम में विद्यार्थियों की कठिनाइयों के निराकरण के लिए क्रियात्मक अनुसन्धान का प्रयोग करेंगे।
- चिन्तन दैनन्दिनी और पॉटफोलियो निर्माण की प्रविधि का उपयोग करेंगे।

पाठ्यवस्तु

इकाई १ — भाषा, हिन्दी भाषा की प्रकृति और प्रयोज्यता।

- १.१ भाषा का प्रत्यय और उपयोगिता।
- १.२ बोली, विभाषा और मानक भाषा का प्रत्यय।
- १.३ शिक्षा, समाज, व्यापार, राजनीति, शोध एवं विकास में भाषा का योगदान।
- १.४ हिन्दी भाषा का नामकरण, संस्कृत से हिन्दी के उद्भव की प्रक्रिया।
- १.५ विश्वभाषा ॥ और भविष्य भाषा ॥ के रूप में हिन्दी का विकास का आकलन।
- १.६ मूल-भूत भाषा कौशलों — श्रवण, वाचन, पठन और लेखन का परिचय।

इकाई २ — पाठ्यवस्तु संवर्धन

- २.१ हिन्दी साहित्य का सामान्य परिचय।
- २.२ हिन्दी गद्य साहित्य की परम्परागत विधाएँ — कहानी, नाटक और महाकाव्य।
- २.३ हिन्दी गद्य साहित्य की आधुनिक विधाएँ — उपन्यास, यात्रा विवरण, जीवनी, आत्मकथा और संस्मरण।
- २.४ हिन्दी व्याकरण में उर्दू, अंग्रेज़ी और संस्कृत से समाविष्ट प्रत्यय।
- २.५ माध्यमिक स्तर पर हिन्दी पाठ्यक्रम में हुए परिवर्तनों का आकलन।

इकाई ३ — भाषा अधिगम की प्रकृति और पाठ नियोजन

- ३.१ माध्यमिक स्तर पर हिन्दी शिक्षण के लक्ष्य और उद्देश्य।

- ३.२ इकाई नियोजन का प्रत्यय, इसका महत्त्व और निर्माणविधि।
- ३.३ पाठयोजना का परिचय, उपयोग और महत्त्व।
- ३.४ पाठयोजना के चरण और उनका क्रियान्वयन।
- ३.५ हिन्दी शिक्षण के ज्ञानात्मक, बोधात्मक, कौशलात्मक और रुचिगत उद्देश्यों का निर्धारण।
- ३.६ विशिष्ट उद्देश्यों का व्यावहारिक शब्दावली में लेखन।
- ३.७ पाठ योजना के संरचनात्मक उपागम का परिचय और अभ्यास।

इकाई ४ — हिन्दी की विविध विधाओं के शिक्षण की विधियों का परिचय और उपयोग

- ४.१ माध्यमिक कक्षाओं में गद्य शिक्षण की उपयोगिता।
- ४.२ गद्य शिक्षण की अर्थबोध, व्याख्या, विश्लेषण और संयुक्त विधि का परिचय और इनकी समीक्षा।
- ४.३ माध्यमिक कक्षाओं के पाठ्यक्रम में पद्य के समावेश की उपयोगिता।
- ४.४ पद्य शिक्षण की शब्दार्थ कथन, खण्डान्वय, व्यास और समीक्षा विधि का परिचय और इनकी उपयुक्तता का आकलन।
- ४.५ माध्यमिक स्तर पर व्याकरण शिक्षण की आवश्यकता और उपयोगिता।
- ४.६ व्याकरण शिक्षण की निगमन, आगमन, भाषासंसर्ग और पाठ्य—पुस्तक विधियों का मूल्यांकन।

इकाई ५ — भाषा अधिगम—शिक्षण में सहायक सामग्रियों का प्रयोग

- ५.१ शिक्षण उपकरणों का सन्दर्भ, महत्त्व और लाभ।
- ५.२ अधिगम—शिक्षण के दृश्य उपकरणों के प्रकार।
- ५.३ दृश्य उपकरणों — श्यामपट्ट, चार्ट, नक्शा, मानचित्र, प्रतिरूप, कार्यशील प्रतिरूप और फ्लैश कार्ड की प्रयोग विधि।
- ५.४ श्रव्य उपकरणों — कॉम्पैक्ट डिस्क व कैसेट्स के प्रयोग की विधि और अभ्यास।
- ५.५ मुद्रित श्रव्य उपकरणों —अखबार, पत्रिकाओं और पुस्तकों का सहायक उपकरणों के रूप में प्रयोग।
- ५.६ वैद्युदण्विक उपकरणों — टेलीविजन, कम्प्यूटर और विश्वजाल के सहायक उपकरणों के रूप में प्रयोग की विधि और उपयोगिता।
- ५.७ भाषा अधिगम में भाषा प्रयोगशाला के प्रयोग की विधि और समीक्षा।

इकाई ६ — भाषा अधिगम के मूल्यांकन की प्रविधि

- ६.१ मूल्यांकन की संकल्पना, उद्देश्य और महत्त्व।
- ६.२ सतत एवं व्यापक मूल्यांकन का सन्दर्भ।
- ६.३ लेखन, पठन, श्रुतलेख, सुलेख, तीव्रलेखन, त्रुटिमुक्त लेखन, आशुभाषण और काव्यपाठ का सतत एवं व्यापक मूल्यांकन प्रविधि द्वारा मूल्यांकन।
- ६.४ कक्षागत पाठ्यसहगामी गतिविधियों — गीत, अभिनय, संवाद, क्रियाकलाप और नेतृत्व के गुणों का सतत एवं व्यापक मूल्यांकन प्रविधि द्वारा मूल्यांकन।
- ६.५ विद्यार्थियों के भाषा अधिगम का संचयीवृत्त बनाना।

इकाई ७ — चिन्तनशील साधक के रूप में शिक्षक

- ७.१ अनुवर्ती चिन्तन की आवश्यकता और महत्त्व।
- ७.२ चिन्तन दैनन्दिनी और पोर्टफोलियो बनाना।

- ७.३ विद्यार्थियों की अधिगम समस्याओं के निदान और समाधान के लिए क्रियात्मक अनुसन्धान का प्रयोग।
- ७.४ पाठ्यक्रम, सहायक सामग्री और पाठ्यविधियों का आलोचनात्मक विवेचन।
- ७.५ पाठ्यक्रम, सहायक सामग्री और पाठ्यविधियों पर विद्यार्थियों और अभिभावकों की प्रतिक्रियाओं का संग्रह।

प्रायोगिक कार्य —

- आधुनिक भाषा के रूप में हिन्दी के गुणों और स्थिति का अनुसन्धान विवरण।
- हिन्दी शिक्षण की किन्हीं दो अधुनतन विधियों का परिचय एवं इनके उपयोग की तुलनात्मक समीक्षा।
- हिन्दी शिक्षण के श्रवण, वाचन और लेखन अधिगम के सटीक मूल्यांकन में सतत एवं व्यापक मूल्यांकन की प्रविधि के उपयोग का विवरण।
- चिन्तन दैनन्दिनी, पोर्टफोलियो और आलोचनात्मक विवरणी के उपयोग की समीक्षा और इनकी प्रतिकृति का प्रस्तुतिकरण।

मूल्यांकन योजना —

मूल्यांकन बिन्दु	कक्षा परीक्षा	प्रायोगिक कार्य	पोर्टफोलियो	उपस्थिति	सत्रान्त परीक्षा
प्रदेय अंक	१०	१०	०५	०५	७०

सन्दर्भ पुस्तकें —

- हिन्दी शिक्षण : अभिनव आयाम, डॉ. श्रुतिकान्त पाण्डेय, एक्सिस पब्लिकेशंस, दरियागंज, नई दिल्ली, २०१०.
- हिन्दी शिक्षण, उमा मंगल, आर्य बुक डिपो करोल बाग, नई दिल्ली, २००५.
- हिन्दी शिक्षण, डॉ. रामशकल पाण्डेय, विनोद पुस्तक मन्दिर, आगरा, २००५.
- हिन्दी साहित्य का इतिहास, आचार्य रामचन्द्र शुक्ल, राजकमल प्रकाशन, नई दिल्ली, २००६
- हिन्दी शिक्षण, रमन बिहारी लाल, रस्तोगी प्रकाशन, मेरठ, २००२.
- हिन्दी शिक्षण, सावित्री सिंह, इन्टरनेशनल पब्लिशिंग हाउस, मेरठ, २००४

A5 PEDAGOGY OF TEACHING ENGLISH

Course Code: A5(b)

Credits: 03

Contact Hours: 60

Notional Hours 30

Marks: 75

Introduction

This course will enable the student-teachers to gain a strong knowledge base in nature of English language & literature, instructional planning and evaluation. It will help in applying theory to practice to design your own materials and plan lessons in preparation for teaching real classes. The course offers you the opportunity to explore in-depth aspects of English and to find out about the approaches and current practices of language teaching in relation to Indian and international contexts. The course also equips you with analytical and investigative skills and provides a foundation in issues related to English language teaching, second language pedagogy and language acquisition.

Objectives

After completing the course the learners will be able to:

- Explain the principles of language teaching, and evolution and trends in English literature.
- Prepare an instructional plan in English
- Adapt various approaches and methods to teach English language.
- Use various techniques to evaluate the achievement of the learner in English.

Module 1: Nature of English Language & literature

12hrs

- 1.1 Principles of Language Teaching
- 1.2 Language Proficiency: Basic Interpersonal Communication Skills (BICS) and Cognitive Academic Language Proficiency (CALP)
- 1.3 English Language in the school context: An Evolutionary Perspective
- 1.4 Current Trends in Modern English literature in Indian context
- 1.5 Teaching as second language in Indian context.

Module 2: Instructional Planning

12hrs

- 2.1 Aims and objectives of Teaching English at different stages of schooling
- 2.2 Instructional Planning: Need and Importance
- 2.3 Unit and lesson plan: Need and Importance
- 2.4 Procedure of Unit and Lesson Planning
- 2.5 Planning and adapting units and lessons for children with disabilities

Module 3: Approaches and methods of teaching English

12hrs

- 3.1 Difference between an approach and a method.
- 3.2 Task based approach, co-operative learning, language across curriculum, communicative language teaching, Bilingual, Eclectic and Constructive approach
- 3.3 Method Teaching of Prose, Poetry, Drama, Grammar and Vocabulary- i) Translation method. ii) Structural – Situational method. iii) Direct method.
- 3.4 Development of four basic language skills: Listening, Speaking, Reading, and Writing.
- 3.5 Accommodation in approaches and techniques in teaching children with disabilities

Module 4: Instructional Materials

12hrs

- 4.1 Importance of instructional material and their effective use.
- 4.2 The use of the instructional aids for effective teaching of English: Smart boards, Chalk Board, Flannel Board, Pictures/ Picture-cut-outs, Charts, Tape-records, Radio, Television, Films & Filmstrips, Overhead Projector, Language Laboratory, Language games, reading cards, Worksheets, Handouts, and Power Point Presentation.
- 4.3 Construction of a teacher made test for English proficiency
- 4.4 Teaching portfolio
- 4.5 Adaptations of teaching material for children with disabilities

Module 5: Evaluation

12hrs

- 5.1 Evaluation - concept and need.
- 5.2 Testing language skills and language elements (vocabulary, grammar and phonology)
- 5.3 Adaptation of evaluation tools for children with disabilities
- 5.4 Individualized assessment for children with disabilities
- 5.5 Error analysis, diagnostic tests and enrichment measures.

Practicum (Any Two):

Notional Hours: 30 hrs 10 Marks

1. Develop work sheet (interactive including language games)
2. Develop lesson plans for the teaching of prose and poetry.
3. Critically analyze any one poem or essay of a well known poet or writer.

Suggested Readings:

- Agnihotri, R.K. and Khanna A.L. (Ed.) 1996, English Grammar in context, Ratnasagar, Delhi.
- Allen. H, and Cambell R (Ed.) 1972, Teaching English as second Language, McGraw Hill, New York.
- Bhatia, K.K. (2006). Teaching and Learning English as a Foreign Language. New Delhi: Kalyani Publishers.
- Bhatia, K.K. and Kaur, Navneet (2011). Teaching and Learning English as a Foreign Language. Ludhiana :Kalyani Publishers.
- Bindra, R. (2005). Teaching of English. Jammu: RadhaKrishanAnand and Co.
- Brumfit, C.J and Johnson (Ed.) 1979, The communicative Approach to Language Teaching, Oxford University Press, Oxford.
- DonnBryne (1988), Teaching Writing Skills, Longman, England.
- Francoise Grellet (1980), Developing Reading Skills, Cambridge University Press.
- Hari Prasad, M. &Prakashan, V. (2004), Communicative English, Neelkamal Publications, Hyderabad.
- IGNOU CTE – 02 Certificate in Teaching of English (1989), The structure of English, IGNOU, New Delhi.
- IGNOU EEG – 02 Elective Course in English (1989), The structure of modern English Blocks (1 to 7), IGNOU, New Delhi.

- Krashen, D. (1992), Principles and Practice in second Language Acquisition, Pergamum Press Oxford.
- Krishna Swamy (2003), Teaching English: Approaches, Methods and Techniques, Macmillan Publication New Delhi
- Sachdeva, M. S. (2007). Teaching of English. Patiala: Twenty First Century Publications.
- Sahu, B. K. (2004). Teaching of English. Ludhiana: Kalyani Publishers.
- Shaik, M & Gosh, R. N (2005), Techniques of Teaching English, Neelkamal Publications, Hyderabad.
- Sharma, P. (2011). Teaching of English: Skill and Methods. Delhi: Shipra Publication.

A5 PEDAGOGY OF TEACHING MARATHI

Course Code: A5(c)
Contact Hours: 60

Marks: 75

Notional Hours 30

Credits: 03

A 5 : PEDAGOGY OF TEACHING LANGUAGE

Regional Language- Marathi

मराठी अध्यापन पद्धती

Course Code: A5

Credit: 03

Contact Hours: 60

Notional Hours 30

Marks: 75

उद्दिष्टे :

प्रस्तुत पाठ्यक्रमाद्वारे विद्यार्थी खालील योग्यता प्राप्त करतील.

- व्यक्ती व समाज दोन्हीच्या जीवन व विकासात भाषेचे काय योगदान आहे ते जाणून घेतील.
- मूलभूत भाषा कौशल्य व भाषा अध्ययनात त्यांची काय भूमिका आहे हे त्यांना अनुभवता येईल.
- पाठ नियोजन व घटक नियोजनात ते पारंगत होतील.
- मराठी भाषा शिक्षणाच्या विशेष व्यवहारिक उद्दिष्टांचे निर्धारण करणे व ती उद्दिष्टे लिहिणे यात ते कुशल होतील .
- मराठी भाषेच्या अध्ययनाची उद्दिष्टे पूर्ण करण्याकरिता पूर्व नियोजित विविध अध्यापन पद्धतींचा ते उपयोग करू शकतील.
- मराठी अध्यापनाची उद्दिष्टे सहज साध्य करण्यासाठी अध्ययन -अध्यापन सहायक साधनांची निर्मिती व त्यांचा वापर करण्यात ते सक्षम होतील .
- सातत्यपूर्ण सर्वकश मूल्यमापनाच्या पद्धतींचा भाषा अध्ययन -अध्यापनात कुशलतेने उपयोग करतील.
- कृती संशोधनाद्वारे भाषा अध्ययनात विद्यार्थ्यांना येणाऱ्या अडचणी जाणून घेतील आणि त्यावर उपचारात्मक उपाययोजना करण्यास शिकतील.
- दैनंदिनी / रोजनिशी व पोर्टफोलियो निर्माण करून त्याचा वापर करण्यास शिकतील.

पाठ्यक्रम

Module 1 : मराठी भाषेचे स्वरूप , महत्त्व आणि उपयोग

- १ भाषा - अर्थ , स्वरूप आणि कार्ये व मराठी भाषेची सद्यस्थिती
- २ मराठी भाषेचा उगम व विकास
- ३ विविध बोली भाषा व प्रमाणित भाषा
- ४ शिक्षण , समाज, व्यापार, राजकारण , संशोधन व विकास यात भाषेचे योगदान
- ५ मूलभूत भाषा कौशल्ये (श्रवण, भाषण , वाचन , लेखन)

Module 2 : अभ्यासक्रम विकास

- २.१ मराठी साहित्याचा/ वाङ्मयाचा परिचय.
- २.२ पारंपारिक -आधुनिक मराठी साहित्य प्रकार (गद्य प्रकार- कथा नाटक, कादंबरी, आत्मचरित्र, प्रवास वर्णन , चरित्र. पद्य प्रकार - काव्य, महाकाव्य, मुक्त छंद, नवकाव्य.
- २.३ मराठी भाषेवर संस्कृत, पाली, अर्धमागधी , कानडी , इंग्रजी व हिंदी भाषांचा प्रभाव
- २.४ माध्यमिक स्तरावर मातृभाषा मराठीच्या पाठ्यक्रमात झालेले बदल.

Module 3 : भाषा अध्ययनाचे स्वरूप व पाठ नियोजन

- ३.१ माध्यमिक स्तरावर भाषा शिक्षणाची ध्येये व उद्दिष्टे
- ३.२ घटक नियोजन संकल्पना ,महत्त्व व विकास प्रक्रिया .
- ३.३ पाठ नियोजन संकल्पना , पायऱ्या, उपयोग व महत्त्व
- ३.४ भाषा शिक्षणाच्या बोधात्मक, भावात्मक व क्रियात्मक उद्दिष्टांचे वर्गीकरण व निर्धारण व व्यावहारिक लेखन (ब्लूमच्या वर्गीकरणानुसार)
- ३.५ पाठ नियोजनाच्या संरचनात्मक प्रणाली / मार्ग

Module 4 : भाषा अध्यापन पध्दती, तंत्रे व प्रतिमाने आणि साधने

- ४.१ : भाषा अध्यापन तंत्र - नाट्यीकरण , कथाकथन, बुद्धिमंथन , प्रश्नोत्तरे , मुलाखत.
- ४.२ : भाषा अध्यापन पद्धती : कथन पद्धती, व्याख्यान पद्धती, प्रकल्प , परिसंवाद पद्धती. चर्चा पद्धती सर्वसमावेशक पद्धती,
- ४.३: मराठीची अध्यापन प्रतिमाने - व्यक्तिगत प्रतिमान , सामाजिक प्रतिमान , बोधात्मक प्रतिमान
- ४.४ : भाषा अध्यापनात विविध अध्यापन साधने , प्रकार, उपयोग आणि महत्त्व
- ४.५ : भाषा पाठ्यपुस्तक- अंतर्गत व बहिर्गत गुणधर्म

Module 5 : भाषा मूल्यमापन आणि भाषा शिक्षक

- ५.१ : मूल्यमापन संकल्पना , उद्देश आणि महत्त्व
- ५.२: भाषेचे सातत्यपूर्ण व सर्वकष मूल्यमापन
- ५.३ : कृती संशोधनाद्वारे भाषा अध्ययनातील समस्या जाणणे व त्यांचे निराकरण करणे.
- ५.४ : भाषा शिक्षकाचे गुण
- ५.५ : दैनंदिनी / रोजनिशी व पोर्टफोलिओ निर्मिती.

प्रायोगिक कार्य : (Hands on Experience for notional hours: (ANY TWO) 30 Hrs 10

Marks

- भाषा अध्ययनात कर्णबधिर मुलांना येणाऱ्या अडचणींची यादी करा . त्यातील कोणत्याही दोन अडचणी दूर करण्यासाठी उपचारात्मक उपाययोजना लिहा.
- कोणत्याही एका अध्यापन प्रतिमानावर आधारित पाठाचे नियोजन करा.
- कोणत्याही एका वर्गाच्या कवितेचे पाठ नियोजन करा. कविता व गद्य पाठ यांच्या नियोजनातील फरक लिहा.
- जवळच्या एका शाळेत जाऊन सातत्यपूर्ण मूल्यमापन कसे केले जाते याचे निरीक्षण करा व त्याचा सविस्तर वृत्तांत लिहा.
- कोणतीही एक कथा व एक चरित्र वाचा. त्यातील फरक लिहा.
- शाळेत भाषा अध्यापन विषयक अध्ययन -अध्यापन पद्धती, साधने याबाबत पालक आणि विद्यार्थी यांच्या लेखी प्रतिक्रिया कशा मिळवतात त्याचे निरीक्षण करा व त्यावर अहवाल लिहा.

संदर्भ पुस्तके :

- अकोलकर आणि पाटणकर (१९९६) मराठीचे अध्यापन , व्हिनस प्रकाशन पुणे.
- पवार, ना. ग. (२००८) मातृभाषा मराठीचे आशययुक्त अध्यापन, नित्य नूतन प्रकाशन पुणे.
- जोशी, शोभना वि. (२००७) मराठीचे अध्यापन , मृण्मयी प्रकाशन , औरंगाबाद
- भानगावकर, सुलभा आणि दाते , सुषमा (२००८) मातृभाषा मराठीचे अध्यापन , पिंपळापुरे अँड कं.पब्लिशर्स नागपूर
- कुंडले, म. बा. (१९९७) मराठीचे अध्यापन , श्री विद्या प्रकाशन पुणे.
- दुनाखे अ. र. (२०००) मराठीचे अध्यापन नूतन प्रकाशन पुणे.
- करंदीकर सुरेश आणि मंगरूळकर मिना (२००३) मराठी आशय अध्यापन पद्धती फडके प्रकाशन, कोल्हापूर
- आहेर, मिना (२००८) मातृभाषा मराठीचे आशययुक्त अध्यापन , नित्य नूतन प्रकाशन पुणे.
- घोरमोडे कला (२००८) मराठी अध्यापन पद्धती विद्या प्रकाशन नागपूर

B6 INCLUSIVE EDUCATION

Course Code: B6 Credits: 03

Contact Hours: 60

Notional Hours 30

Marks: 75

Introduction

The course is designed to develop an understanding about inclusive education and addressing diversity in the mainstream classroom. It is also formulated in a way that the learners will know the pedagogical practices and recognizes ways in which different stakeholders can collaborate for the success of inclusive education.

Objectives

After completing the course the student will be able to:

- *Explain the construct of inclusive education & the progression from segregation towards valuing & appreciating diversity in inclusive education*
- *Explicate the national & key international policies & frameworks facilitating inclusive education*
- *Enumerate the skills in adapting instructional strategies for teaching in mainstream classrooms*
- *Describe the inclusive pedagogical practices & its relation to good teaching.*
- *Expound strategies for collaborative working and stakeholders support in implementing inclusive education*

Module 1: Introduction to Inclusive Education

- 1.1 Marginalisation vs. Inclusion: Meaning & Definitions
- 1.2 Changing Practices in Education of Children with Disabilities: Segregation, Integration & Inclusion
- 1.3 Diversity in Classrooms: Learning Styles, Linguistic & Socio-Cultural Multiplicity
- 1.4 Principles of Inclusive Education: Access, Equity, Relevance, Participation & Empowerment
- 1.5 Barriers to Inclusive Education: Attitudinal, Physical & Instructional

Module 2: Policies & Frameworks Facilitating Inclusive Education

- 2.1 International Declarations: Universal Declaration of Human Rights (1948), World Declaration for Education for All (1990)
- 2.2 International Conventions: Convention against Discrimination (1960), Convention on Rights of a Child (1989), United Nations Convention of Rights of Persons with Disabilities (UNCRPD) (2006)
- 2.3 International Frameworks: Salamanca Framework (1994), Biwako Millennium Framework of Action (2002)

- 2.4: National Commissions & Policies: Kothari Commission (1964) National Education Policy (1968), National Policy On Education (1986), Revised National Policy Of Education (1992), National Curricular Framework (2005), National Policy For Persons With Disabilities (2006)
- 2.5: National Acts & Programs: IEDC (1974), RCI Act (1992), PWD Act (1995), National Trust Act (1999), SSA (2000), RTE (2006), RMSA (2009), IEDSS (2013)

Module 3: Adaptations Accommodations and Modifications

- 3.1 Meaning, Difference, Need & Steps
- 3.2 Specifics for Children with Sensory Disabilities
- 3.3 Specifics for Children with Neuro-Developmental Disabilities
- 3.4 Specifics for Children with Loco Motor & Multiple Disabilities
- 3.5 Engaging Gifted Children

Module 4: Inclusive Academic Instructions

- 4.1 Universal Design for Learning: Multiple Means of Access, Expression, Engagement & Assessment
- 4.2 Co-Teaching Methods: One Teach One Assist, Station-Teaching, Parallel Teaching, Alternate Teaching & Team Teaching
- 4.3 Differentiated Instructions: Content, Process & Product
- 4.4 Peer Mediated Instructions: Class Wide Peer Tutoring, Peer Assisted Learning Strategies
- 4.5 ICT for Instructions

Module 5: Supports and Collaborations for Inclusive Education

- 5.1 Stakeholders of Inclusive Education & Their Responsibilities
- 5.2 Advocacy & Leadership for Inclusion in Education
- 5.3 Family Support & Involvement for Inclusion
- 5.4 Community Involvement for Inclusion
- 5.5 Resource Mobilisation for Inclusive Education

Practicum (Any Two):

Notional Hours: 30 hrs 10 Marks

1. Visit Special Schools Of Any Two Disabilities & An Inclusive School & Write Observation Report Highlighting Pedagogy
2. Prepare A Checklist For Accessibility In Mainstream Schools For Children With Disabilities
3. Design A Poster On Inclusive Education

Suggested Readings

- Bartlett, L. D. and Weisentein, G. R. (2003). *Successful Inclusion for Educational Leaders*. New Jersey: Prentice Hall.
- Chaote, J. S. (1991). *Successful Mainstreaming*. Allyn and Bacon
- Choate, J. S. (1997). *Successful Inclusive Teaching*. Allyn and Bacon
- Daniels, H. (1999) *Inclusive Education*. London: Kogan.
- Deiner, P. L. (1993). *Resource for Teaching Children with Diverse Abilities*, Florida: Harcourt Brace and Company
- Dessent, T. (1987). *Making Ordinary School Special*. Jessica Kingsley Pub.

- Gargiulo, R. M. *Special Education in Contemporary Society: An Introduction to Exceptionality*. Belmont: Wadsworth.
- Gartner, A. & Lipsky, D. D. (1997) *Inclusion and School Reform Transferring America's Classrooms*, Baltimore: P. H. Brookes Publishers.
- Giuliani, G. A. & Pierangelo, R. (2007) *Understanding, Developing and Writing IEPs* . Corwin press: Sage Publishers.
- Gore, M. C. (2004) *.Successful Inclusion Strategies for Secondary and Middle School Teachers*, Crowin Press, Sage Publications.
- Hegarthy, S. & Alur, M. (2002) *Education of Children with Special Needs: from Segregation to Inclusion*, Corwin Press. Sage Publishers
- Karant, P. & Rozario, J. ((2003). *Learning Disabilities in India*. Sage Publications.
- Karten, T. J. (2007). *More Inclusion Strategies that Work*. Corwin Press, Sage Publications.
- King-Sears, M. (1994) *Curriculum-Based Assessment in Special Edcuation*. California: Singular Publications.
- Lewis, R. B. & Doorlag, D. (1995) *Teaching Special Students in the Mainstream*. 4th Ed. New Jersey: Pearson.

B7 INTRODUCTION TO SENSORY DISABILITIES

Course Code: B7 Credits: 03

Contact Hours: 60

Notional Hours 30

Marks: 75

Introduction

The course is designed to provide a basic understanding to the student-teachers about the nature and needs of different types of sensory disabilities. It will also equip them in undertaking screening, planning and instructing students with sensory disabilities.

Objectives:

After completing this course, the student-teachers will be able to:

- *Name the different types of sensory impairments & its prevalence & describe the process of hearing & implications of various types of hearing loss*
- *Explain the issues & ways to address challenges in educating students with hearing loss*
- *Describe nature, characteristics & assessment of students with low vision & visual impairment*
- *Suggest educational placement and curricular strategies for students with low vision & visual impairment*
- *Explicate the impact of deaf-blindness & practices for functional development*

Module 1: Hearing Impairment: Nature & Classification

- 1.1 Types of sensory impairments: Single (Hearing Impairment & Visual Impairment) & Dual sensory impairment (Deaf-blindness)

- 1.2 Importance of hearing
- 1.3 Process of hearing & its impediment leading to different types of hearing loss
- 1.4 Definition of hearing loss, demographics & associated terminologies: deaf/ Deaf/ deafness/ hearing impaired/ disability/ handicapped
- 1.5 Challenges arising due to congenital and acquired hearing loss

Module 2: *Impact of Hearing Loss*

- 2.1 Characteristics of learners with hearing loss and impact of different degrees of hearing impairment on communication
- 2.2 Language & communication issues attributable to hearing loss & need for early Intervention
- 2.3 Communication options, preferences & facilitators of individuals with hearing loss
- 2.4 Issues & measures in literacy development and scholastic achievement of students with hearing loss
- 2.5 Restoring techniques using human (interpreter) & technological support (hearing devices)

Module 3: *Visual Impairment--Nature and Assessment*

- 3.1. Process of Seeing and Common Eye Disorders in India;
- 3.2. Blindness and Low Vision--Definition and Classification;
- 3.2. Demographic Information--NSSO and Census 2011;
- 3.4. Importance of Early Identification and Intervention;
- 3.5. Functional Assessment Procedures.

Module 4: *Educational Implications of Visual Impairment*

- 4.1. Effects of Blindness--Primary and Secondary;
- 4.2. Selective Educational Placement;
- 4.3. Teaching Principles;
- 4.4. Expanded Core Curriculum--Concept and Areas;
- 4.5. Commonly Used Low Cost And Advanced Assistive Devices.

Module 5: *Deaf-blindness*

- 5.1 Definition, causes, classification, prevalence and characteristics of deaf-blindness
- 5.2 Effects and implications of deaf-blindness on activities of daily living & education
- 5.3 Screening, Assessment, Identification & interventional strategies of deaf-blindness
- 5.4 Fostering early communication development: Methods, assistive devices and practices including AAC
- 5.5 Addressing orientation, mobility & educational needs of students with deaf-blindness

Hands on tasks for Notional hours(Any Two): 30 hrs 10 Marks

1. Develop an educational program for a pre-school child with visual/hearing impairment
2. Observe of a child with deaf-blindness and submit report
3. Prepare community awareness posters for sensorial disability
4. Interact with 3 Deaf adults and reflect upon their preferences about communication methods
5. Make a poster on positive attitude towards sensory impairments.
6. Make a check list for identifying low vision in primary classes

7. Do websearch on deafblindness and write an essay on strategies for developing daily living skills.

Transactions

Conventional lecturing, PPTs, Visits, Observations, class discussions Videos and Interactions with Students/adults with Disabilities, reflecting upon learnt knowledge.

References:

- Bradford, L. J. & Hardy, W.G. (1979). *Hearing and Hearing Impairment*. New York: Grune and Stratton
- Davis, H. & Silverman, S. R. (1970). *Hearing and Deafness - Part I*. Holt, London: Rinehart & Winston.
- Holbrook Cay M. & Koenig Alan. J (Eds.) (2000) *Foundations of Education, Vol I: History and Theory of Teaching Children and Youths with Visual Impairments*. (2nd ed):New York : AFB Press
- Handbook on Deafblindness (2005) Sense International India. Retrieved online on 24/4/2015 from http://www.google.co.in/url?sa=t&rct=j&q=&esrc=s&source=web&cd=3&ved=0CDEQFjAC&url=http%3A%2F%2Fssa.nic.in%2Finclusive-education%2Ftraining-module-for-resource-teachers-for-disable-children%2FModule%25202%2520Deafblindness.pdf%2Fat_download%2Ffile&ei=LkY6VdGLOIKymAW604CgDg&usg=AFQjCNHxJc9OazS1f-TSI_HgQqJKxWjs_A&sig2=LIBWuGnYE0OLPtpK5FCHEg&bvm=bv.91427555,d.dGY
- Kelley, P. & Gale, G. (1998). *Towards Excellence: Effective education for students with vision impairments*. Sydney: North Rocks Press.
- Lowenfeld, B (1973). *Visually Handicapped Child in School and Society*; American Foundation for the Blind; New York.
- Lynas, W. (2000). *Communication options*. In J. Stokes (Ed), *Hearing Impaired Infants – Support in the first eighteen months*. London: Whurr Publishers Ltd
- Martin, F. N. Clark, J.G. (2009). *Introduction to Audiology*. 10th ed. Boston: Pearson Education. OR
- Martin, F. N. Clark, J.G. (2012). *Introduction to Audiology*. 11th ed. Boston: Pearson Education.
- National institute for the Visually Handicapped.(2015). *Information Booklet on Visual Impairment in India*, Dehradun: Government of India.
- Nerbonne, M. A. & Schow, R.L. (2002). *Introduction to Audiologic Rehabilitation*. Boston: Allyn and Bacon. OR
- Nerbonne, M. A. & Schow, R.L. (2013). *Introduction to Audiologic Rehabilitation*. 6th ed. Boston: Pearson Education.
- Northern, J. L. & Downs, M. P. (2002). *Hearing in Children*. (5th Ed.) Philadelphia: Williams & Wilkins
- Prescod, S. V. (1978). *Audiology hand book of hearing disorders*. New York: van Nostrand Reinhold Company.
- Sataloff, R. T. & Sataloff, J. (2005). *Hearing Loss*. (4th Ed.) London: Taylor & Francis
- Sims, L. G., Walter, G. G., & Whitehead, R. L. (1981). *Deafness and Communication: Assessment and Training*. Baltimore: Williams and Wilkins.

- Warren, D. H. (1994). *Blindness and Children: An Individual Differences Approach*. New York: Cambridge University Press

Suggested Readings:

- Auditory-Verbal International (1991). Auditory-verbal position statement. *Auricle* 4:11-12
- Harp, B. (2006). *The handbook of literacy assessment and evaluation*, (3rd Eds). Norwood, MA: Christopher-Gordon Publishers, Inc.
- Katz, J. (1985). *Handbook of Clinical Audiology*. (4th Ed.) Baltimore: Williams and Wilkins
- Loreman.T, Deppeler.J&Harvey.D (2005). *Inclusive education - A practical guide to supporting diversity in the classroom*.(2nd Eds.). U.K. Routledge
- Norris G, Haring &Romer L.T (1995). *Welcoming Students who are deafblind to typical classrooms*.U.S : Paul H Brookes
- Pandey, R. S. &Advani, L. (1995).*Perspectives in disability and rehabilitation*. New Delhi: Vikas Publishing house Pvt. Ltd.
- *Proceedings from National Conference on Centenary for Work for the Blind in India* (1987); All India Confederation of the Blind and ChristoffelBlinden Mission; Delhi:R.K.Printers
- Scholl, G.T. (1986). *Foundations of education for blind and visually handicapped children and youth*. New York: American Foundation for the blind.
- Tucker, I. & Nolan, M. (1984).*Educational Audiology*. London: Croom Helm.
- Tye-Murray, N. (1998). Intervention plans for children. In Tye-Murray N. (Eds) *Foundations of aural rehabilitation*. San Diego: Singular. P381–413

B8 INTRODUCTION TO NEURODEVELOPMENTAL DISABILITIES

Course Code: B 8 Credits: 03

Contact Hours: 60

Notional Hours 30

Marks: 75

Introduction

The course integrates relevant subject matter in the areas of Learning Disability, intellectual Disability and Autism Spectrum Disorder. This course will prepare pre-service teachers to work

with students with Neuro Developmental disabilities in inclusive and specialized settings. It fosters the acquisition of the broad-based knowledge and skills needed to provide effective educational programs for students with learning and behavior characteristics. The course emphasizes implications for educational and vocational programming, curriculum, and instruction.

Objectives

After completing the course, the learners will be able to:

- *Discuss the characteristics and types of learning disability.*
- *Describe the tools, areas of assessment and apply intervention strategies to enhance learning*
- *Explain the characteristics and types of Intellectual disability.*

- *Describe the tools, areas of assessment and prepare and apply intervention strategies for independent living*
- *Explain the characteristics and types of Autism spectrum Disorder*
- *Describe the tools, areas of assessment and apply intervention strategies*

Module 1: Overview of Neurodevelopmental disabilities

- 1.1 Neurodevelopmental disabilities: concept
- 1.2 Types and characteristics
- 1.3 Prevalence and incidence
- 1.4 Causes
- 1.5 Educational implications

Module 2: Learning Disability: Nature, needs and intervention

- 2.1 Definition, Types and Characteristics
- 2.2 Tools and Areas of assessment
- 2.3 Strategies for reading, writing and maths
- 2.4 Curricular adaptation, IEP, Further Education,
- 2.5 Transition Education, life long education

Module 3: Intellectual Disability: Nature, needs and intervention

- 3.1 Definition, Types and Characteristics
- 3.2 Tools and Areas of assessment
- 3.3 Strategies for functional academics and social skills
- 3.4 Assistive devices, Adaptations, Individualized Education Plan, Person centered plan, Life skill education
- 3.5 Vocational training and independent living

Module 4: Autism Spectrum Disorder: Nature, needs and intervention

- 4.1 Definition, Types and Characteristics
- 4.2 Tools and Areas of assessment
- 4.3 Instructional Approaches
- 4.4 Teaching Methods
- 4.5 Vocational training and career opportunities

Module 5: Attention Deficit Hyperactivity Disorder: Nature, needs and intervention

- 1.1 Definition, types and characteristics
- 1.2 Tools and areas of assessment
- 1.3 Environmental adaptations
- 1.4 Instructional methods
- 1.5 Behaviour management methods

Practicum (Any Two)

Notional Hours:30hrs10 Marks

1. Develop an Assessment tool for a child with learning disability in the given area
2. Prepare teacher made test for functional assessment of a given child with ID/ Autism
3. Prepare a screening tool for children with ADHD

Transactions: Conventional lecturing, PPTs, Visits, Observations, class discussions, Videos, reflecting upon learnt knowledge

Suggested Readings:

- Accardo, P.J., Magnusen, C., and Capute, A.J. Autism: Clinical and Research Issues. York Press, Baltimore, 2000
- American Psychiatric Association. Diagnostic and Statistical Manual of Mental Disorders (4th ed. TR). Washington DC. 2000
- Bala, M.J : Methods of Teaching Exceptional Children, 2004
- Browning, R, E: Teaching Students with Behaviour and Severe Emotional Problems, Jampala, M, B: Methods of Teaching Exceptional Children, 2004
- Higgins J : Practical Ideas that Really work for students with Dyslexia and other reading Disorders, 2003
- Moyes, R.A Building Sensory Friendly Classrooms to Support Children with Challenging Behaviors: Implementing Data Driven Strategies, 2010
- Pierangelo, R. & Giuliani G.A. Transition services in Special Education, Allyn & Bacon, 2003
- Reddy G.L. & Rama, R: Education of children with special needs, New Delhi - Discovery Pub. 2000
- Simpson, R. L, Myles, B, S: Educating children and youth with autism: strategies for effective practice. (2nd edition) Pro Ed. Texas, 2008
- Smith, D.D: Introduction to Special Education Teaching in an Age of opportunity, Allyn & Bacon, 2003
- Strichart, S., S : Teaching Study Strategies to Students with Learning Disabilities, Allyn & Bacon, Boston 1993
- Swady, E.R: Diagnosis & Correction of Reading, Difficulties, Allyn & Bacon Boston 1989
- Taylor, B: Reading Difficulties : Instruction and Assessment, Random House, New York, 1988
- Wong, B, Y, L: .The ABCs of Learning Disabilities, 1996.

B 9 INTRODUCTION TO LOCOMOTOR AND MULTIPLE DISABILITIES

Course Code: B 9
Contact Hours: 60
Marks: 75

Credits: 03
Notional Hours: 30

Introduction

The course aims to develop understanding about planning effective educational programme and functional activities for students with locomotor and multiple disabilities. This course intends to develop required skills in teacher trainee to identify the children with locomotor and multiple disabilities and also plan an effective programme education as well as for creating awareness on these conditions. Teacher is also expected to plan an effective therapeutic programme and also refer for medical intervention whenever if necessary.

Objectives

After completing the course the student-teachers will be able to

- Identify the persons with Locomotor disabilities such as Cerebral Palsy, Amputees, Polio, Leprosy cured, Muscular dystrophies, Neural and spinal defects and Multiple disabilities.
- Plan an effective programme for creating awareness about the persons with Locomotor disabilities and Multiple disabilities.
- Plan an effective therapeutic and programme for the persons with Locomotor disabilities and Multiple disabilities and to refer for medical intervention if necessary.
- Plan an effective educational programme and functional activities for the persons with Locomotor disabilities and Multiple disabilities.

Module 1: Cerebral Palsy (CP)

- 1.1. CP: Nature, Types and Its Associated Conditions
- 1.2. Assessment of Functional Difficulties of CP including Abnormalities of Joints and Movements (Gaits)
- 1.3 Understanding Educational difficulties (perceptual, reading, writing, and mathematics)
- 1.4. Provision of Therapeutic Intervention and Referral of Children with CP
- 1.5. Implications of Functional Limitations of Children with CP in Education and Creating Prosthetic Environment in School and Home: Seating Arrangements, Positioning and Handling Techniques at Home and School

Module 2: Amputees, Polio, Spinal Cord Injuries Spina-bifida and Muscular Dystrophy

- 2.1. Definition, Meaning and Classification
- 2.2. Assessment of Functional Difficulties
- 2.3 Understanding Educational difficulties (perceptual, reading, writing, and mathematics)
- 2.4. Provision of Therapeutic Intervention and Referral
- 2.5. Implications of Functional Limitations for Education and Creating Prosthetic Environment in School and Home: Seating Arrangements, Positioning and Handling Techniques at Home and School

Module 3: Multiple Disabilities and Other Disabling Conditions

- 3.1 Multiple Disabilities: Meaning and Classifications
- 3.2 Various Combinations of Multiple Disabilities and Associated Conditions Such as Epilepsy, Motor and Sensory Conditions

3.3 Other Disabling Conditions such as Leprosy Cured Students, Tuberos Sclerosis and Multiple Sclerosis

3.4 Understanding Educational difficulties (perceptual, reading, writing, and mathematics)

3.5 Implications of Functional Limitations for Education and Creating Prosthetic Environment in School and Home: Seating Arrangements, Positioning and Handling Techniques at Home and School

Module 4: Facilitating Teaching-Learning in school and inclusion

4.1 Introduction to IEP and TLM for children with CP, Amputees, Polio, Spinal Cord Injuries, Spina-bifida and Muscular Dystrophy and Multiple Disabilities and Other Disabling Conditions

4.2 Assistive Technology to Facilitate Learning and Functional Activities

For CP, Amputees, Polio, Spinal Cord Injuries, Spina-bifida and Muscular Dystrophy, Multiple Disabilities and Other Disabling Conditions

4.3 Government Concessions, schemes and facilities- educational, aids and appliances, transport

4.4 Universal Design for accessibility

4.5 Facilitating social and peer group relationships

Module 5: Introduction to Therapeutic Interventions to facilitate classroom environment

5.1 Physical and Functional Management of Lifting , carrying and transfer techniques

5.2 Safety procedures, Back care and Wheel chair skills

5.3 Problems & Management of hand function

5.4 Use of Orthotic aids for upper and lower limbs for accessibility

5.5 Alternative and Augmentative Communication in classroom

Hands on task for Notional Hours: (ANY TWO) 30 hrs 10 marks

1. Identify a child with cerebral palsy or a child with Multiple Disabilities. Study his / her file, interact and observe. Report the child's difficulties in activities of daily living and academic activities.
2. Carry out web search and list the tools, strategies and formats globally used to make life more and more barrier free for a an adult with multiple disability.
3. Make a poster for classmates and peers for better inclusion of a child with CP in their school including a few Dos and Donts

Transactions : Conventional lecturing, PPTs, Visits, Observations, class discussions, Videos, reflecting upon learnt knowledge.

Essential Readings

• Miller, F. and Bachrach, S.J. (2012). Cerebral Palsy: A Complete Guide for Caregiving. A Johns Hopkins Press Health Book.

• Sarva Siksha Abhiyan. Module on Cerebral Palsy. http://ssa.nic.in/inclusiveeducation/training-module-for-resource-teachers-for-disablechildren/Module%205%20Cerebral%20Palsy.pdf/at_download/file

- Sarva Siksha Abhiyan . Module on Multiple Disabilities.
http://ssa.nic.in/inclusiveducation/training-module-for-resource-teachers-for-disablechildren/Module%203%20Multiple%20Disability.pdf/at_download/file

B 10 GUIDANCE & COUNSELLING

Course Code: B 10 (a) Credits: 03

Contact Hours: 60

Notional Hours 30

Marks: 75

Objectives

After completing this course the student will be able to:

1. *Apply the skills of guidance and counselling in classroom situations*
2. *Describe the process of development of self-image and self-esteem*
3. *Appreciate the types and issues of counselling and guidance in inclusive settings*

Module 1: Introduction to Guidance

- 1.1 Guidance : concept, aims and Functions
- 1.2 Need for Guidance
- 1.3 Principles of Guidance
- 1.4 Areas of Guidance: Educational Guidance Vocational Guidance and Personal Guidance
- 1.5 Role of teachers in guidance for students with disability

Module 2: Introduction to Counseling

- 2.1 Counseling: Meaning, nature and characteristics of counseling
- 2.2 Core conditions in counseling (special concerns incounseling)
- 2.3 Types of counseling: Directive, non directive and eclectic counseling
- 2.4 Skills and competencies of a counselor
- 2.5 Professional ethics of a counselor

Module 3: Enhancing Self Image and Self Esteem

- 3.1 Concept of Self as Human
- 3.2 Understanding of Feelings and Changes
- 3.3 Developing Mental Health and Coping Skills
- 3.4 Personality Development,
- 3.5 Role of Teacher in Developing Self-Esteem in Children

Module 4: Approaches and Services offered in Guidance and Counseling

- 4.1 Approaches: child centred, supportive and family
- 4.2 Services offered in guidance and counseling: placement Services
- 4.3 remedial service
- 4.4 Student information service
- 4.5 Follow-up service

Module 5: Guidance and Counseling in Inclusive Education

- 5.1 Current Status With Reference to Indian schools
- 5.2 Role of a teacher in mainstreaming and providing support for students with special needs
- 5.3 Guidance in Formal and Informal Situations: Within and Outside Classroom,
- 5.4 Group Guidance: Group Leadership Styles and Group Processes
- 5.5 Challenges in Group Guidance

Practicum (Any Two)**Notional Hours: 30 Hrs 10 Marks**

1. Counselling and report writing on a selected case
2. Simulation of a parent counselling session
3. Report of critical observation of a given counseling session

Essential reading

- Shah, A (2008) Basics in guidance and Counselling. Global Vision Publishing House
- Nayak, A.K. (1997) Guidance and Counselling. APH Publishing, Delhi
- Rao, V.K. & Reddy, R.S. (2003) Academic Environment: Advice, Counsel and Activities. Soujanya Books
- Sharma, V.K. (2005) Education and Training of Educational and Vocational Guidance. Soujanya Books
- Naik, P.S (2013) Counselling Skills for Educationists. Soujanya Books

Desired Reading

- Kapunan, R.R (2004) *Fundamentals of Guidance and Counselling*. Rex Printing Company, Phillipines
- Pal, O.B. (2011) *Educational and Vocational Guidance and Counselling*. Soujanya Books

B 10 B EARLY CHILDHOOD CARE, INTERVENTION AND EDUCATION**Course Code: B 10 (b) Credits: 03****Contact Hours: 60****Notional Hours 30****Marks: 75****Objectives**

After undertaking the course the students will be able to:

- Explain the biological & sociological foundations of early childhood education
- Describe the developmental systems approach and role responsibilities of interdisciplinary teams for early education of children with disabilities
- Enumerate the inclusive early education pedagogical practices
- Understand the dynamics of early intervention

Module 1: The Early Years: An Overview

- 1.1 Facts about Early Childhood Learning & Development
- 1.2 Neural Plasticity
- 1.3 Critical Periods of Development of Motor, Auditory, Visual, Linguistic & Cognitive Skills
- 1.4 Sensitive Periods of Learning: Maria Montessori's Framework, Windows of Opportunity & Learning Timelines of Development in Young Children
- 1.5 Integrating Theories of Development & Learning for Early Childhood Education activities

Module 2: Early Education of Children with Disabilities

- 2.1 Young Children at Risk & Child Tracking
- 2.2 Interdisciplinary Assessments & Intervention Plans

- 2.3 Developmental Systems Model for Early Intervention
- 2.4 Curricular Activities for Development of Skills of: Imagination, Joy, Creativity, Symbolic Play, Linguistic, Emergent Literacy, Musical, Aesthetic, Scientific & Cultural Skills
- 2.5 Evidenced Based Practices for Early Intervention

Module 3: Inclusive Early Childhood Educational (ECE) Practices

- 3.1 Natural Environments, Service Delivery Models & Importance of Universal Designs of Learning (UDL).
- 3.2 Practices for Inclusive ECE Programs: Adaptations of Physical Environment & Equipments, Visual Support Materials, Parent Partnerships, Friendships & Engagements with Typical Children
- 3.3 Principles of Inclusive ECE Practices: Full Participation, Open Ended Activities, Collaborative Planning,
- 3.4 Collaborating with Parents, Family Education & Developing Individualised Family Service Plan (IFSP)
- 3.5 School Readiness & Transitions

Module 4: Early identification and intervention

- 4.1 Early identification and intervention: defining the three terms and setting criteria
- 4.2 Early Intervention: Need and Justification
- 4.3 Prerequisites for early intervention
- 4.4 Early identification and early intervention: managing the link
- 4.5 Managing early intervention-Multi disciplinary involvement

Module 5: Early Intervention: National and International Context

- 5.1 Outcomes of early intervention and factors affecting outcomes
- 5.2 Global benchmarks/global trends
- 5.3 Early intervention of HI -JCIH Reference
- 5.3 Early intervention services: Indian scenario
- 5.4 Early intervention and inclusive education
- 5.5 Early intervention: Micro level and macro level challenges in India

Practicum (Any Two)

Notional Hours: 30 Hrs 10 Marks

1. Developing a journal on developmental milestones & learning timelines of children from 0 to 8 years
2. Participation in workshop & develop 5 creative teaching learning materials for children in inclusive early childhood education programs
3. Make a checklist for early identification of preschoolers for teachers.

Essential Readings

- Costello.P.M (2000). *Thinking Skills & Early Childhood Education*. London: David Fulton Publishers.
- Dunn.S.G. & Dunn.K (1992). *Teaching Elementary students through their individual learning styles: Practical approaches for grades 3-6*. Massachusetts: Allyn & Bacon.

- Klausmeir H.J. & Sipple. T.S. (1980). *Learning & Teaching Concepts. A strategy for testing applications of theory.* New York: Academic Press
- Mohanty J & Mohanty. B (1999). *Early Childhood Care and Education.* Delhi: Offset Printers

Suggested Readings

- Barbour.N&Seefeldt.C (1998).*Early Childhood Education. An Introduction* (4thEds). U.K: Prentice Hall.
- Broman.B.C (1978).*The Early Years in Childhood Education.* Chicago: RandMcNally College Publishing Company.
- Catron.C.E. & Allen.J (1993).*Early Childhood Curriculum.* New York: MacMillan Publishing Company.
- Dahlberg.G ,Moss.P& Pence. A (2007). *Beyond Quality in Early Childhood Care and Education.*(2nd Ed.). New York: Routledge Publication.
- Dopyera.M.L&Dopyera. J (1977). *Becoming a Teacher of Young Children.* New York:Random House Publications.
- Gordon.I.J (1972).*Early Childhood Education.* Chicago: Chicago University Press.
- Hamilton.D.S&Flemming (1990).*Resources for Creative Teaching in Early Childhood Education* (2nd Edition). Tokyo: Harcourt Brace Jovanvich.
- Hilderbrand.V (1991).*Introduction to Early Childhood Education.* New York: MacMillan Publishing
- Krogh.S.L&Slentz.K (2001).*Early Childhood Education, Yesterday, Today & Tomorrow.*London: Lawrence Erlbaum Associates Publishers
- Range.D.G, Layton.J.R.&Roubinek.D.C.(1980). *Aspects of Early Childhood Education.Theory to Reserch to Practice.* New York: Academic Press.
- Spodek.B, Saracho.O.N&Davis.M.D (1987).*Foundations of Early Childhood Education.* Englewood Cliffs, New Jersey: Prentice Hall,
- Wortham.S.C (NK).*Measurement & Evaluation in early childhood education* (2nd Eds.).Ohio: Merrill Prentice Hall.

B 10 C APPLIED BEHAVIOR ANALYSIS

Course Code: B 10 (c)

Contact Hours: 60

Credit: 03

Notional Hours 30

Marks 75

Objectives: at the completion of this course, the student will be able to

- *Develop and understanding of the underlying principles and assumptions of applied behavioural analysis*
- *Use various measures of behavioral assessment*
- *Apply methods of ABA in teaching and learning environments*
- *Integrate techniques of ABA in teaching programs*
- *Select suitable strategies for managing challenging behaviors*

Module 1 Introduction to Applied Behavior Analysis 12hrs

1.1 Principles of Behavioral Approach

1.2 ABA - Concept and definition

- 1.3 Assumptions of ABA – Classical and Operant Conditioning
- 1.4 Behavior- definition and feature
- 1.5 Reinforcement & Punishment

Module 2 *Methods of Behavior Assessment*

- 2.1 Antecedent, Behavior & Consequence
- 2.2 Behavior frequency and rate
- 2.3 Behavior duration.
- 2.4 Behavior latency
- 2.5 Inter-response time & percent of occurrence

Module 3 *Methods of ABA*

- 3.1 Identification of behavioral goals
- 3.2 Functional analysis of behavior
- 3.3 Discrete Trial Teaching
 - Discriminative stimulus -characteristics
 - Response
 - Consequence -characteristics
 - Inter-trial interval
- 3.4 STAR (Setting Triggers Action Result) Model
- 3.5 Pivotal Response Training

Module 4 *Techniques for Positive Behaviour Support*

- 4.1 Types of positive reinforcement
 - Primary
 - Secondary
 - Token economy
- 4.2 Schedules of reinforcement
 - Continuous
 - Fixed ratio
 - Fixed interval
 - Variable ratio
 - Variable interval
 - Fading
- 4.3 Negative reinforcement
- 4.4 Shaping and Chaining

- 4.5 Types of Prompt
 - Physical
 - Gestural
 - Pointing
 - Visual
 - Positional
 - Verbal

Module 5 *Management of Challenging Behaviour*

- 5.1 Differential reinforcements of behaviour
- 5.2 Extinction and Time out
- 5.3 Response cost and overcorrection
- 5.4 Maintenance
- 5.5 Generalization and fading

Practicum (Any Two):

Notional Hours: 30 hrs 10 Marks

1. Conduct a functional analysis of behaviour of a given case and submit report
2. Develop and submit an ABA program for management of a challenging behaviour
3. Develop teaching material for Discrete Trial Teaching/Pivotal Response Training

Essential reading

4. Cooper, J.O., Timothy, E.H. and Heward, W.L. (2007) Applied Behaviour Analysis. Pearson Publications
5. Kearney, A.J. (2007) Understanding Applied Behaviour Analysis: An Introduction to ABA for Parents, Teachers and Other Professionals. Jessica Kingsley, Philadelphia
6. Fisher, W.W., Piazza, C.C. and Roane, H.S. (2013) Handbook of Applied Behaviour Analysis. Guilford Press, New York
7. Bailey, j and Burch, M (2011) Ethics for Behaviour Analysts. Routledge, New York
8. Lewis, P. (2006) Achieving Best Behaviour for Children with Developmental Disabilities Jessica Kingsley Publishers London

Desired reading

9. Moyes, R.A. (2002) Addressing the Challenging Behaviour of Children with HFA/AS in the Classroom. Jessica Kingsley Publishers London
10. Aune, B., Burt, B., and Gennaro, P (2013) Behaviour Solutions for the Inclusive Classroom. Future Horizons Inc, Texas

B10 COMMUNITY BASED REHABILITATION

Course Code: B 10 (d)

Credit: 03

Contact Hours: 60

Notional Hours: 30

Marks: 75

Objectives:*After completing this course the student will be able to*

1. *Explain the concept, principles and scope of community based rehabilitation*
2. *Learn the strategies for promoting public participation in CBR*
3. *Apply suitable methods for preparing persons with disability for rehabilitation within the community*
4. *Provide need-based training to persons with disabilities*
5. *Develop an understanding of the role of government and global agencies in CBR*

Module 1*Introduction to Community Based Rehabilitation (CBR)*

- 1.1 Concept and definition of CBR
- 1.2 Principles of CBR
- 1.3 Difference between CBR and institutional living
- 1.4 Socio-cultural and economic contexts of CBR
- 1.5 Scope and inclusion of CBR in government policies and programs

Module 2*Preparing Community for CBR*

- 2.1 Awareness program-Types and methods
- 2.2 Advocacy - citizen and self
- 2.3 Focus group discussion
- 2.4 Family counselling and family support groups
- 2.5 Corporate social responsibility

Module 3 *Preparing Persons with Disability for CBR*

- 3.1 Early identification and intervention
- 3.2 Development of Person Centred Plan for education
- 3.3 Individual Transition Plan
- 3.4 Community related vocational training
- 3.5 Skill training for living within community

Module 4 *CBR Strategies for Persons with Disabilities*

- 4.1 Visual impairment
 - Orientation and mobility training
 - Braille
- 4.2 Hearing impairment
 - Training in sign language and system
- 4.3 Physical impairment and Cerebral Palsy
 - Training in use of assistive devices
 - Training in use of augmentative and alternative communication systems
- 4.4 Autism and intellectual disability
 - Training in functional and survival skills
- 4.5 Access to school and higher education

Module 5 *Role of Government and International Agencies*

- 5.1 Poverty alleviation and development programs
- 5.2 Disability related legislations & judicial activism
- 5.3 Disability related policies and schemes
- 5.4 United Nation's Conventions and Declarations
- 5.5 Review of global legislations

Practicum (Any Two): Notional Hours: 30 hrs 10 Marks

1. Visit an ongoing CBR program and write a report on its efficacy
2. Organize a community awareness program and submit a report
3. Prepare an outline of a CBR program for a given person with disability

Essential reading

- 1 Community Based Rehabilitation —Report of a WHO International Consultation, Colombo, Lanka,(1982), WHO, 1211, Geneva 27, Switzerland, Document No .RHB/IR/82—1
- 2 World Health — Rehabilitation for All WHO Magazine, (1984) Av. Appia, 1211 Geneva 27 Switzerland
- 3 Scheme of assistance to disabled for purposes of fitting of aids/appliances — Ministry of Social Welfare, Govt. of India, New Delhi.

- 4 Scheme of assistance to Organizations for disabled persons, Ministry of Social Welfare, Govt. of India, New Delhi.
- 5 Peat, M. (1997) *Community Based Rehabilitation* W.B. Saunders Company
- 6 Neufelt, A. and Albright, A (1998) *Disability and self-directed employment: business development model*. Campus Press Inc. York University
- 7 McConkey, R. and O'Tool, B (Eds) *Innovations in Developing Countries for People with Disabilities* P.H. Brookes, Baltimore
- 8 Loveday, M. (2006) *The HELP Guide for Community Based Rehabilitation Workers: A Training Manual*. Global-HELP Publications, California

B 10 E APPLICATION OF ICT IN CLASSROOM

Course Code: B 10 (e)
Contact Hours: 60

Credit: 03
Notional Hours 30
Marks: 75

Objectives

After completing the course the student teacher will be able to:

- *Gauge the varying dimensions in respect of ICT and Applications in Special Education*
- *Delineate the special roles of ICT Applications*
- *Acquire Familiarity with Different Modes of Computer-Based Learning*

Module 1: Information Communication Technology (ICT) and Special Education 12hrs

- 1.1. Meaning and Scope of ICT
- 1.2. Role of ICT in 'Construction of Knowledge';
- 1.3. Possible Uses of Audio-Visual Media and Computers (Radio, Television, Computers)
- 1.4. Integrating ICT in Special Education With Reference To Articles 4 and 9 of UNCRPD and Goal 3 of Incheon Strategy
- 1.5. Three As of ICT Application—Access, Availability, Affordability

Module 2: Using Media and Computers

- 2.1. Media: Radio and Audio Media- Script Writing, Storytelling, Songs, Etc.,
- 2.2 Television and Video in Education,
- 2.3 Importance of Newspaper in Education
- 2.4. Computers: Functional Knowledge of Operating Computers—On/Off, Word Processing, Use Of Power Point, Excel,
- 2.5 ICT Applications For Access To Print

Module 3. Computer as a Learning Tool

- 3.1 Effective Browsing of the Internet for Discerning and Selecting Relevant Information
- 3.2 Survey of Educational Sites and Downloading Relevant Material;
- 3.3 Cross Collating Knowledge from Varied Sources,
- 3.4. Computer-Aided Learning: Application of Multimedia in Teaching and Learning, Programmed Instruction; Computer-Assisted Instruction; Web based learning, Interactive Learning & i-learning; virtual classrooms

- 3.5. E-Classroom: Concept, Organizing E-Classroom and Required Adaptations for Students with Disabilities;& mobile learning and mobile learning apps.

Module 4: Visualizing Technology-Supported Learning Situations

- 4.1 Preparation of Learning Schemes and Planning Interactive Use of Audio-Visual Programme
- 4.2 Developing PPT for Classroom Use; skype and ISL, using software for 'captioning'
- 4.3 Using of Available Software or CDs
- 4.4 Using LCD Projection for Subject Learning Interactions;
- 4.5. Generating Subject-Related Demonstrations Using Computer Software and Enabling Students to Plan and Execute Projects;

Module 5: Interactive use of ICT

- 5.1 Participation in Social Groups on Internet,
- 5.2 Creation of 'Blogs',
- 5.3 Organizing Teleconferencing and Video-Conferencing;
- 5.4 Identifying and Applying Software for Managing Disability Specific Problems.
- 5.5 Overview of WCAG (Web Content Access Guidelines)

Practicum (Any Two):Notional Hours:30Hrs10 Marks

1. Develop a script on any topic of your choice. Conduct an interview with an expert on the selected topic to prepare an audio or video program of 15 minutes duration.
2. Prepare a PPT by inserting photos and videos on a topic of your choice.
3. Create your email account as well as design a blog.

Essential Readings

- Abbot, C. (2001). *ICT: Changing Education*. Routledge Falmer
- Florian, L. &Hegarty J. (2004). *ICT and Special Educational Needs: A Tool for Inclusion*. Open University Press

Suggested Readings

- Kozma, R.B. (2003). *Technology, Innovation, and Educational Change: A Global Perspective: A Report of the Second Information Technology in Education Study, Module 2*. International Society for Technology in Education.

B 10 GENDER AND DISABILITY

Course Code: B 10 (f)

Contact Hours: 60

Credit: 03

Notional Hours 30

Marks: 75

Objectives: After completion of this course the student will be able to

1. Develop an understanding of human rights based approach in context of disability
2. Explain the impact of gender on disability
3. Describe the personal and demographic perspectives of gender and disability
4. Analyse the issues related to disabled women and girl children
5. Describe the role of advocacy and legislation in creating gender equity

Module 1: *Human Right-based Approach & Disability*

- 1.1 Human Rights-based approach
 - Concept and history
- 1.2 Principles of HRbA
 - Equality and non-discrimination
 - Universality & Inalienability
 - Participation and inclusion
 - Accountability and rule of law
- 1.3 Elements of Human Rights System
 - Legal framework
 - Institutions
 - Development policies & programs
 - Public awareness
 - Civil society
- 1.4 Advantage of HRbA
- 1.5 HRbA and Disability
 - Empowerment
 - Enforceability
 - Indivisibility
 - Participation

Module 2: *Gender and Disability*

- 2.1 Sex & Gender
 - Concept & difference
- 2.2 Disability & impairment
 - Concept & difference
- 2.3 Gendered experience of disability
 - Public domain
 - Private and familial domain
- 2.4 Gender and disability mainstreaming
- 2.5 Gendered patterns in relation to disability
 - Developed countries
 - Developing countries

Module 3: *Gender and Disability Analysis*

- 3.1 Gender analysis
- 3.2 Disability analysis
- 3.3 Sex-disaggregated data
- 3.4 Psyche and gender
- 3.5 Normalization and social role valorisation

Module 4: *Women and Girl Child with Disability*

- 4.1 Inclusive equality
 - Equal access to family life
 - Equal access to education
 - Equal access to political participation
- 4.2 Factors contributing to disability
 - Gender-based violence
 - Traditional practices
- 4.3 Sexual and reproductive health
- 4.4 Standard of living and social protection
- 4.5 Work and employment

Module 5: Advocacy and Legal Framework

- 5.1 Women's movement
- 5.2 Disability rights movement
- 5.3 International initiatives
 - CEDAW
 - CRC
 - UNCRPD
- 5.4 Constitutional provisions & schemes for disability
- 5.5 Gender critique of government schemes

Practicum (Any Two)

Notional Hours: 30 hrs 10 Marks

1. Study the case of a given woman with disability and submit a report
2. Review selected paper/s authored by women with disability
3. Prepare community awareness material for gender equity and disability rights

Essential reading

1. Habib, L.A (1997) Gender and disability: Women's Experiences in the Middle East. Oxfam, UK
2. Meekosha, H (2004) Gender and Disability. Sage Encyclopaedia of Disability
3. Samuels, E. (2014) Fantasies of Identification: Disability, Gender, Race. NYU Press, USA
4. Smith, B. G. and Hutchison, B. (2013) Gendering Disability. Rutgers University Press, New Jersey
5. Hans, A. (2015) Disability, Gender and the Trajectories of Power. Sage Publications Pvt. Ltd
6. Ridgeway, C.L. (2011) Framed by Gender: How Gender Inequality Persists in the Modern World. Oxford University Press
7. O'Brien, J. and Forde, C. (2008) Tackling Gender Inequality, Raising Pupil Achievement Dunedin Academic

Desired reading

1. Treas, J. and Drobic, S (2010) Dividing the Domestic: Men, Women, and Household Work in Cross-National Perspective Stanford University Press
2. **Purkayastha, D. (2010)** Economic Growth, Intra-Household Resource Allocation and Gender Inequality Atlantic Economic Journal, Vol. 38, No. 4
3. **Beeghley, L. (1999)** Angles of Vision: How to Understand Social Problems Westview Press

B 10 G BRAILLE AND ASSISTIVE DEVICES

Course Code: B 10 (g)
Contact Hours: 60

Credit: 03
Notional Hours 30

Marks: 75

Objectives

After completing the course the learners will be able to:

- *Acquire basic information about Braille, its relevance and some important functional aspects;*
- *Get basic information on types and significance of different Braille devices;*
- *Get acquainted with the types and significance of basic devices relating to Mathematics, Science, Geography and Low Vision as also on sources of their availability.*

Module 1: Braille

- 1.1 Louis Braille and the Evolution of Braille
- 1.2 Continuing Relevance of Braille vis-a-vis Audio Material;
- 1.3 Braille Signs, Contractions and Abbreviations--English Braille;
- 1.4 Braille Signs and Symbols—Hindi/Regional Language;
- 1.5 Braille Reading and Writing Processes.

Module 2: Braille Devices -- Types, Description, Relevance

- 2.1 Slate and Stylus
- 2.2 Braille Writer
- 2.3 Electronic Devices—Note takers and Refreshable Braille Displays
- 2.4 Braille Embossers
- 2.5 Braille Translation Software

Module 3: Other Devices – Types, Description, Relevance

- 3.1 Mathematical Devices: Taylor Frame and Types, Abacus, Geometry Kit, Algebra Types
- 3.2 Geography: Maps--Relief, Embossed, Models
- 3.3 Science Material
- 3.4 Low Vision Aids--Optical, Non-Optical, Vision Training Material
- 3.5 Schemes and Sources of Availability

Hands on tasks for Notional Hours: (Any Two): 30 hours 10 marks

1. Observe at least five devices in use in at least five school periods.
2. Prepare a presentation – Oral/ Powerpoint – on the relevance of Braille for children with visual impairment
3. Prepare a report on the availability and use of Mathematical devices (at least two) in one special school and on inclusive school

Essential Readings:

- A Restatement of the Layout, Definitions and the Rules of the Standard English Braille System (1971). London: The Royal National Institute for the Blind
- Ashkroft, S.C. and Henderson, F. (1963). Programmed Instruction in Braille. Pittsburgh : Stanwick House
- Lowenfeld, B. (1969). Blind Children Learn to Read. Springfield: Charles C. Thomas
- Mani, MNG (1997). Amazing Abacus. Coimbatore: SRVK Vidyalaya
- Manual on Bharti Braille (1980). Dehradun: NIVH
- Olson, Myrna R. (1981). Guidelines and Games for Teaching Efficient Braille Reading. New York: AFB
- Proceedings: National Conference on Past and Present Status of Braille in India
- (2001). New Delhi: All India Confederation of the Blind

Suggested Readings:

- Hampshire, Barry (1981). Working with Braille - A Study of Braille as a Medium of Communication. Geneva: UNESCO

- Kusanjima, T. (1974). Visual Reading and Braille Reading. New York: AFB
- Mani, MNG (1992). Techniques of Teaching Blind Children. N.Delhi: Sterling Publishers
- Mellor Michael C. (2006). Louis Braille A touch of Genius. Boston: National Braille Press

B 11 A ORIENTATION AND MOBILITY

Course Code: B 11 (a)

Contact Hours: 60

Credits: 03

Notional Hours: 30

Marks: 75

Introduction

Movement with independence in the environment has been stated to be one of the major challenges of vision loss. In order to facilitate their meaningful empowerment, therefore, it is necessary to provide students with visual impairment skills and techniques which enable them to cope with these challenges. Developments, especially during and after World War II, have led to the emergence of a large variety of such strategies, skills and technologies, which are covered under the discipline titled Orientation and Mobility.

So, the present course carrying the same title introduces the learners to various crucial aspects of this vital subject. It is hoped that through the study of the course, the learners would be in a better position to understand the implications of vision loss with reference to independent movement. It would also enable them to get insights into basic skills and components essential for meaningful orientation and easy and graceful movement for the visually impaired.

Objectives

After completing the course the learners will be able to:

- *Describe the nature and scope of O&M as also the O& M related responsibilities of the special teacher.*
- *Acquire basic knowledge of human guide techniques.*
- *Describe pre-cane and cane travel skills and devices.*
- *Get acquainted with the importance and skills of training in independent living for the visually impaired.*

Module 1: Introduction to Orientation and Mobility

- 1.1 Orientation and Mobility --Definition, Importance and Scope
- 1.2 Basic Terminologies Associated with O&M: Trailing, Landmarks, Clues, Cues, Shoreline, Squaring Off, Clockwise Direction, Sound Masking, Sound Shadow
- 1.3 Roles of Other Senses in O&M Training
- 1.4 Special Responsibilities of Special Teacher/ Educator with reference to O&M Training
- 1.5 Blindfold--Rationale and Uses for the Teacher

Module 2: Human/Sighted Guide Technique

- 2.1 Grip
- 2.2 Stance
- 2.3 Hand Position
- 2.4 Speed Control
- 2.5 Negotiating: Narrow Spaces, Seating Arrangements, Staircases, Muddy paths

Module 3: Pre-Cane Skills

- 3.1 Upper and Lower Body protection
- 3.2 Room Familiarization
- 3.3 Using Oral Description for Orientation
- 3.4 Search Patterns
- 3.5 Building Map reading Skills

Module 4: Cane Travel Techniques and Devices

- 4.1 Canes--Types, Parts, Six Considerations
- 4.2 Cane Travel Techniques: Touch Technique, Touch and Drag Technique, Diagonal Cane Technique
- 4.3 Use of Public Transport
- 4.4 Asking for Help: When and How
- 4.5 Electronic Devices, Tactile and Auditory Maps -- Description and Uses

Module 5: Training In Independent Living Skills

- 5.1 Self Care, Gait and Posture
- 5.2 Personal Grooming
- 5.3 Eating Skills and Etiquette
- 5.4 Identification of Coins and Currency Notes
- 5.5 Basics of Signature Writing

Hands on Experience for notional hours: (ANY TWO)

30 Hrs 10 Marks

1. Act as a sighted guide in different situations/settings.
2. Prepare a list of canes and other devices available with various sources along with prices.
3. Undergo an experience of moving under a blindfold for a few minutes and describe the experience in 200 words).
4. Make a short PowerPoint/ oral presentation were about 5 minutes were on the importance of O&M for the visually impaired.
5. Draw up a list of important clues /cues/landmarks which the visually impaired student can use in the school.

Essential Readings:

- Blasch, B. B., Weiner, W. R., & Welsh, R. L. (1997). Foundations of Orientation and Mobility (2nd ed.). New York: AFB Press.
- Cutter, Joseph (2006). Independent Movement and Travel in Blind Children. North Carolina: IAP
- Fazzi, D. L. & Petersmeyer, B. A. (2001). Imagining the Possibilities: Creative Approaches to Orientation and Mobility Instruction for Persons who are Visually Impaired. New York: AFB Press.
- Jaekle, Robert C.(1993). Mobility Skills for Blind People : A Guide for Use in Rural Areas. ChristoffelBlindenMission.
- Knott, N. I. (2002). Teaching Orientation and Mobility in the Schools: An Instructor's Companion. New York: AFB Press.

- Smith, A. J. & Geruschat, D. R. (1996). Orientation and Mobility for Children and Adults with Low Vision. In A. L. Corn & A. J. Koenig (Eds.), Foundations of Low Vision: Clinical and Functional Perspectives. New York: AFB.

Suggested Readings:

- Dodds, Allan (1986). Mobility Training for Visually Handicapped People. London: Croom Helm
- Hill, Everett and Ponder, Purvis (1976). Orientation and Mobility Techniques. New York: AFB
- Jacobson, W.H. (1993). The Art and Science of Teaching Orientation and Mobility to Persons with Visual Impairments. New York: AFB Press.
- Singh, J.P. (2003). Technology for the Blind. New Delhi: Kanishka Publication

B 11 B COMMUNICATION OPTIONS: ORALISM

Course Code: B 11(b)

Contact Hours: 60

Credits: 03

Notional Hours: 30

Marks: 75

Introduction

Communication, language and speech have always been at the centre stage when education of children with deafness is being discussed. Without going into much of judgemental discussions in the direction of 'either – or' options to be the 'best', this syllabus intends to expose the student teachers to all the dominant options. However, over and above the said exposure offered through compulsory courses, this optional course offers the student teachers an additional opportunity to sharpen the skills in one of the categories of options. This is expected to emphasize use of appropriate options rather than advocating one among the many. Moreover, learning this optional course is also expected to provide wider career choices for the student teachers.

Objectives

After learning this course the students will be able to:

- *Discuss the Aural Oral Options with reference to persons with hearing impairment in the context of India*
- *Discuss the relevant issues like literacy, inclusion and training with reference to Oralism / Oral Rehabilitation*
- *Exhibit beginner level hands on skills in using these options*
- *Motivate self to learn and practice more skills leading to linguistic adequacy and fluency to be used while developing spoken language in children with hearing losses.*

Module 1: Understanding Hearing Loss in Real Life Context

- 1.1 Basic Awareness on Paradigms of D/Deafness (Medical And Social)
- 1.2 Basic Awareness on Deafness and Communicative Access: Challenges and Concerns
- 1.3 Basic Awareness on Autonomy, Inclusion and Identity With Reference to Oral Options
- 1.4 Oral / Aural Verbal Options and Realistic Expectations of Family and Teachers
- 1.5 Importance of Neural Plasticity and Early Listening Opportunities

Module 2: Advance Understanding of Oral Options

- 2.1 Difference Between Uni Sensory and Multi Sensory Approach in Oralism
- 2.2 Oracy To Literacy: Why And How
- 2.3 Speech Reading: Need, Role And Strategies in All Communication Options
- 2.4 Training And Guidance on Aural Oral Practices for Families And Tuning Home Environment: Current Scenario, Importance And Strategies
- 2.5 Tuning Mainstream Schools/Classrooms For Aural Oral Communication: Do's And Don'ts

Module 3: Skill Development Required for Oralism

- 3.1 Practicing Interpreting Audiograms and Exposure to Goal Setting In Listening Skills
- 3.2 Practicing Motherese (Addressing /Talking To Young Children) and Age Appropriate Discourse with Children Using Appropriate Language, Turn Taking and Eye Contact
- 3.3 Practicing Fluency Skills in Verbal Communication: Spontaneous Conversations, Narrations and Loud Reading
- 3.4 Practicing Skills in Story Telling /Narrations/Jokes/ Poems / Nursery Rhymes
- 3.5 Ongoing Monitoring and Assessing Auditory Functioning and Speech Development: Reading Model Formats Used For The Purpose (Checklists, Recordings, Developmental Scales)

Module 4: Skill Development Auditory Verbal (AV) Approach

- 4.1 AV Approach: Meaning, Misconcepts and Justification
- 4.2 Stages of Auditory Hierarchy
- 4.3 Understanding Listening Strategies, Techniques of AV Approach and Their Relation to Listening Environment
- 4.4 Reading Model Plans and Observing a Few Weekly Individual Sessions
- 4.5 Developing Instructional Material For AVT Sessions Linking Listening, Language And Cognition

Module 5: Implementing Oralism and AV Approach in Indian Special Schools & Summing up

- 5.1 Use Of Oralism and AV Approach in Indian Special Schools: Current Scenario
- 5.2 Oralism / AV Approach: Prerequisites for Special Schools
- 5.3 Strategies of Implementation Oral Communication Policy and Fulfilling Prerequisites
- 5.4 Resource Mobilization For Listening Devices: (ADIP, Organized Charity, CSR, Fund Raising Events, Web Based Fund Raising)
- 5.5 Reflections On The Course: From Theory to Practice to Initiating Change

TRANSACTIONS

Curricular transactions of this course must involve skill based approach. This course being placed in the 4th semester, the students are expected to have adequate exposure of special school system, aural activities therein and the school environment. Lecturers of this course are expected to use those experiences while teaching theory component of this course. The transaction strategies however, must focus on skill development of aural oral techniques through observations (live or recorded) and reflecting upon it. Mock parent child conversations, demonstrations and practicing tuning speech and language to suit needs of CWHI etc are expected to support the understanding of student teachers. Unconventional ASK strategy of working first on Attitude, then on Skills and lastly backing it up with Knowledge or theory is expected to work better. Application in diverse situation and professional conviction needed for aural option can be focussed at the time of evaluations.

Hands on Experience for notional hours: (ANY TWO)

30 Hrs 10 Marks

1. Watching Videos Of Individual Sessions And Classroom Teaching

2. Role Play And Dramatization
3. Developing Learning Material For Facilitating Connectivity Among Listening, Language And Cognition
4. Recording Self Narrated Stories / Poems And Writing Reflections Upon It
5. Interacting With Non Disabled Children For Practicing Expansion Of Ideas

Transactions

Curricular transactions of this course must involve skill based approach. This course being placed in the 4th semester, the students are expected to have adequate exposure of special school system, aural activities therein and the school environment. Lecturers of this course are expected to use those experiences while teaching theory component of this course. The transaction strategies however, must focus on skill development of aural oral techniques through observations (live or recorded) and reflecting upon it. Mock parent child conversations, demonstrations and practicing tuning speech and language to suit needs of CWHI etc are expected to support the understanding of student teachers. Unconventional ASK strategy of working first on Attitude, then on Skills and lastly backing it up with Knowledge or theory is expected to work better. Application in diverse situation and professional conviction needed for aural option can be focussed at the time of evaluations.

Essential Readings

- RCI (2010) *Communication Options And Students With Deafness*. Rehabilitation Council Of India , New Delhi
- *Dhvani* (English) BalvidyalayaPublication:Chennai
- Estabrooks. W. (2006) *Auditory-Verbal Therapy And Practice* , Ag Bell
- Paul, Peter V. (2009). *Language and Deafness*. Jones And Bartlett: Boston
- Borden, Gloria J.; Harris, Katherine S. & Raphael, Lawrence J. (2005). *Speech Science Primer (4th)* Lippincott Williams And Wilkins: Philadelphia
- Ling, Daniel.(1990) *Acoustics, Audition And Speech Reception*. (Cd)Alexandria, Auditory Verbal International
- Heller, Robert. (1999). *Managing Change*. Dk Publishing: New York

Suggested Reading

- Estabrooks , W. (2001) *50 Frequently Asked Questions (Faqs) About Auditory-Verbal Therapy*. Learning To Listen Foundation
- Estabrooks W. & Marlowe J, (2000) *The Baby is Listening*, A G Bell Association For The Deaf And Hard Of Hearing, Inc, Washington Dc
- Chaney, Ann L. & Burk, Tamara L. (1998). *Teaching Oral Communication In Grades K – 8*. Boston: Allyn And Bacon
- *Directory of Rehabilitation Resources for Persons With Hearing Impairment In India*. (2000) Ajnihh Publication, Mumbai
- Ling, D. And Ling, A.H. (1985) *Aural Habilitation: The Foundations Of Verbal Learning InHearing Impaired Children*. A.G. Bell Association For The Deaf And Hard Of Hearing. Washington D.C.
- Ling, D. (1989) *Foundations Of Spoken Language For Hearing Impaired Children*. A.G.Bell Association For The Deaf And Hard Of Hearing. Washington D.C.

- *Dhvani (Marathi)* Balvidyalaya – Ccym Publication
- *Play It By Ear*, John Tracy Clinic Publication: La
- Heller, Robert. (1999). *Effective Leadership*. Dk Publishing: New York.
- Heller, Robert. (1999). *Managing Change*. Dk Publishing: New York
- *Resource Book on Hearing Impairment*. Ajjnihh Publication
- Cole, Elizabeth, B. And Flexer, Carol. (2007). *Children With Hearing Loss Developing Listening And Talking (Birth To Six)* Plural Publishing Inc: Uk.
- Unpublished Dissertations And Thesis On Profiling Communication Options In Special Schools In India

B 11 COMMUNICATION OPTIONS: MANUAL OPTIONS

Course Code: B 11(c)
Contact Hours: 60

Credits: 03
Notional Hours 30
Marks: 75

Introduction

Communication, language and speech have always been at the centre stage when education of children with deafness is being discussed. Without going into much of judgemental discussions in the direction of ‘either – or’ options to be the ‘best’, this syllabus intends to expose the student teachers to all the dominant options. However, over and above the said exposure offered through compulsory courses, this optional course offers the student teachers an additional opportunity to sharpen the skills in one of the categories of options. This is expected to emphasize use of appropriate options rather than advocating one among the many. Moreover, learning this optional course is also expected to provide wider Career Choices for the Student Teachers.

Objectives

After learning this course the students will be able to:

- *Discuss the two manual options with reference to Indian special schools*
- *Discuss the relevant issues like literacy, inclusion and training with reference to manual options*
- *Describe manual options in the light of issues like language, culture and identify*
- *Exhibit beginner level hands on skills in using manual options*
- *Motivate self to learn and practice more skills leading to linguistic adequacy and fluency*

Module 1: Understanding Deafness in Real Life Context

- 1.1 Basic Awareness of Paradigms of D/Deafness (Medical and Social)
- 1.2 Basic Awareness of Deafness and Communicative Challenges / Concerns
- 1.3 Basic Awareness on Deafness with Reference to Culture, Language, Identity, Minority Status, Deaf Gain, Literacy and Inclusion
- 1.4 Basic Awareness of Difference between ISL and ISS; Myths and Facts
- 1.5 Importance of Neural Plasticity and Early Language Opportunities

Module 2: Advance Understanding of Manual Options and Indian Scenario

- 2.1 Use of Signcom and Educational Bilingualism in Indian Schools: Current Scenario
- 2.2 Challenges, Prerequisites and Fulfilling Prerequisites
- 2.3 Monitoring and Measuring Development of ISL/ISS in Students: Receptive And Expressive Mode
- 2.4 Training and Guidance for Families and Tuning Home Environment: Current Scenarioa Strategies
- 2.5 Tuning Mainstream Schools/Classrooms For Students Using Manual Communication: Do's And Don'ts

Module 3: ISL Skill Development: Middle Order Receptive and Expressive Skills

- 3.1 Practicing 'Motherese' (Tuning Language to Suit Young Children) and Age Appropriate Discourse with Children with Appropriate Language, Turn Taking and Eye Contact
- 3.2 Practicing Natural Signing in Short Common Conversations
- 3.3 Practicing Natural Signing in Stories/Poems/Narrations/Jokes
- 3.4 Practicing Natural Signing in Discussing Emotions, Expansion of Ideas and Current Affairs
- 3.5 Practicing Group Dynamics

Module 4: ISL Skill Development: Towards Higher Order Receptive and Expressive Skills

- 4.1 Learning to Express Gender, Number, Person, Tense, Aspect
- 4.2 Practicing Sentence Types: Affirmative, Interjections, Imperative and Interrogative and Negativization
- 4.3 Practicing Sentence Types: Simple, Complex, Compound
- 4.4 Observing Using ISL in Classrooms – Social Science
- 4.5 Observing Using ISL in Classrooms – Science / Mathematics

Module 5: ISS Skill Development and Course Conclusions

- 5.1 Practicing Markers (Local Language)
- 5.2 Practicing Syntax in Conversations and Discussions
- 5.3 Observing Using ISS in Classrooms for School Subjects
- 5.4 Resource Mobilization for Skill Development Training: (Organized Charity Sources, CSR, Fund Raising Events, Web Based Fund Raising)
- 5.5 Reflections on the Course: From Theory to Practice to Initiating Change

TRANSACTIONS:

As the course title suggests, this course is expected to be completely an action / practice oriented experience. Lecturers are expected to touch upon basic theory in a rather summarised manner working basically towards skill development and professional conviction needed to apply manual option. Curricular transactions here must involve interactions with adults / adolescents with Deafness and their siblings. The optional course is an extension of the compulsory practical units learnt during the third semester. Brushing up earlier learnt skills and practicing them more in real life situations is therefore recommended. Extensive use of web based material on sign language is also suggested. Modern and communicative approach (as against close door structural approach) typically used for foreign language learning is to be used. Unconventionanl ASK strategy of working first on Attitude, then on Skills and lastly backing it up with Knowledge or theory is expected to work better. Application in diverse situation; importance to fluency and confidence rather than correctness and non purist approach to evaluation is recommended so that the student teachers become independent users of ISL.

Hands on Experience for notional hours: (ANY TWO)**30 Hrs 10 Marks**

1. Watching Videos of Individual Sessions and Classroom Teaching of Signing. Submit reflections.
2. Role Play and Dramatization in ISL. Marks assigned to performance.
3. Developing Learning Material for Facilitating Connectivity Among Signing, Language and Cognition
4. Recording and submitting Self Narrated Stories / Poems.
5. Interacting with Deaf for Practicing Expansion of Ideas

Essential Readings

- *Communication Options and Students with Deafness.* (2010). Rehabilitation Council Of India Publication
- Heller, Robert. (1999). *Managing Change.* Dk Publishing: New York
- ISS Learning Material and Dictionaries
- Paul, Peter V. (2009). *Language and Deafness.* Jones And Bartlett: Boston
- *Teaching Learning Isl Material Developed at Ayjniih, Mumbai, SRKV Coimbatore and d NISH, Trivandrum*
- Zeshan, Ulrike. (2000). *Sign Language in Indo-Pakistan.* John Benjamins Pub Co:Philadelphia

Suggested Readings

- Akamatsu, C. T. & Armour, V. A. (1987). *Developing Written Literacy In Deaf Children Through Analyzing Sign*
- Andrews, J. F., Winograd, P., & Deville, G. (1994). *Deaf Children Reading Fables: Using Asl Summaries To*
- *BhashaPlsi Vol 38 Indian Sign Language(S).* Editors: Tanmoy Bhattacharya Nisha Grover, SurinderPk Randhawa. Orient Blackswan
- Delhi. New Delhi: All India Federation Of The Deaf, 1981.
- *Directory of Rehabilitation Resources For Persons With Hearing Impairment In India.* (2000)Ayjniih Publication
- Evans, L. (1982). *Total Communication, Structure And Strategy.* Washington Dc: Gallaudet College Press.
- Ezell And Justice (2005). *Programmatic Research On Early Literacy: Several Key Findings. Ies 3rd Annual Research Conference: American Speech Language & Hearing Association (Asha).*
- Frank, Smith (1985). *Reading Without Nonsense.* New York: Teachers College Press, 10027.
- Ghate, Prabha (1996). *Indian Sign System.* Ayjniih In-House Publication: Mumbai.
- Ghate, R. A. (2009). *Survey Of Teachers' Opinion On Status Of Education Of The Deaf.* Unpublished Report Of Rci
- Heller, Robert. (1999). *Effective Leadership.* Dk Publishing: New York.
- Huddar, Asmita. (Ed) *Language and Communication.* (2008) Dse Manuals. Rehabilitation Council Of India Publication

- Indian Sign Language Dictionary. 2001. Coimbatore: Sri Ramakrishna Mission Vidyalaya
- Johnson, R., Liddell, S., and Erting, C. (1989). *Unlocking The Curriculum: Principles For Achieving Access In Deaf*
- Lewis, Rena B. & Doorlag, Donald H. (1999). (5th Ed) *Teaching Students with Special Needs in General Education Classrooms*. Prentice Hall Inc. New Jersey. Printing Press.
- Unpublished Dissertation And Thesis On Signing, Structure Of ISL And Its Impact On Education
- Unpublished Dissertations And Thesis On Profiling Communication Options In Special Schools In India
- Vasishta M., Woodward J, De Santis S. An Introduction To Indian Sign Language: Focus On
- Vasishta, M.M., Woodward, J. De Santis, S. 1980. *An Introduction To Indian Sign Language (Focus On Delhi)*. New Delhi: All Indian Federation of The Deaf.\\
- Websites For Signed Dictionaries
- Woodward, J (1993). "The Relationship Of Sign Language Varieties In India, Pakistan And Nepal". *Sign Language Studies* (78): 15–22.

B 11 (D) AUGMENTATIVE AND ALTERNATIVE COMMUNICATION

Course Code: B 11(d)

Contact Hours: 60

Credits: 03

Notional Hours: 30

Marks: 75

Objectives

After learning this course the student-teachers will be equipped with a basic knowledge of:

- AAC,
- AAC systems,
- AAC assessment,
- programme planning and strategies

Module 1: Organizational frame work for Communication

- 1.1 Normal development of speech, language and communication
- 1.2 Factors that influence communication, speech and language in relation to each other
- 1.3 Levels of communication in children
 - 1.3.1 Functional (Emergent)
 - 1.3.2 Situational (Context Dependent)
 - 1.3.3 iii. Independent (Creative)

Module 2: Basic Principles of AAC interventions

- 2.1 Child - Child capacity
- 2.2 Child capacity and context
- 2.3 Working towards symbolic expression
- 2.4 Communication skills and
- 2.5 Functions

Module 3: Areas of AAC Assessment

- 3.1 Sensory areas
- 3.2 Cognition , communication and language
- 3.3 Posture and positioning. Motor planning and control
- 3.4 Scanning

3.5 Environment, Interaction & Symbols

Module 4: Context of Communication

4.1 Partner /skills, user skills and environment

4.2 Competency development - types of competencies and its development

4.2.1 Linguistic competence

4.2.2 Operational Competence

4.2.3 Social competence

4.2.4 Strategic competence

Module 5: Introduction to communication tools and Access Mode **12 hrs**

5.1 Types of AAC devices and systems

5.1.1 No Technology

5.1.2 Low Technology

5.1.3 High Technology

5.2 Access to communication charts - hand, finger, eye point

5.3 Access to devices:

5.3.1 Switches - hand switch , blow switch, infrared devices etc

5.3.2 Software -scan mode combined with a switch

5.4 Selection of AAC

5.4.1 Child competency and environment

5.4.2 Design, Access, Motor, Devices

5.5 Challenges in the development of AAC and Literacy

5.5.1 Grammar ; spelling

5.5.2 Building Vocabulary: and richness of language

5.5.3 Motor expression

Hands on tasks for Notional Hours: (Any Two): 30 hours 10 marks

1. Learn an AAC system and exhibit performance

2. Make a poster on AAC

3. Websearch AAC options and report

Suggested Reading:

- Silverman, F.H.(1994).*Communication for the Speechless (3rd Edn.)*. Allyn & Bacon, Boston.
- David R. Beukelman,D.R., &Mirenda,P (2013). *Augmentative and Alternative Communication Supporting Children and Adults with Complex Communication Needs* (4th Edn.) Brookes Publishing Co. Baltimore.
- Lynch, C., & Cooper, J.(1991).*Early Communication Skills: Practical Activities for Teachers and Therapists*, Speechmark Publishing Ltd, Bicester, Oxon
- Warrick, A., &Kaul,S.(1997).*Their manner of speaking : augmentative communication for children and young adults with severe speech disorders*, Indian Institute of Cerebral Palsy, Kolkata
- Communication, compiler: T.N. Southgate. BA, Ormerod School, Oxford, Editor G.M. Cochrane MA, FRCP, Equipment for Disabled People , Mary Mariboroug Lodge, Nuffield Orthopaedic Centre, Oxford OX3 7 LD
- Tina, D., & Mike, D.(1997).*Literacy Through Symbols: Improving Access for Children and Adults*, David Fulton Publishers, London.
- McCurtin, A., & Geraldine, M.(2000). *The Manual of AAC Assessment*. Speechmark Publishing Ltd., London.

B 11 (E)MANAGEMENTOF LEARNINGDISABILITY

Course Code: B 11(E)

Credits: 03

Contact Hours: 60

Notional hours: 30

Marks: 75

Objectives

After completing the course the learners will be able to:

- *Explain the concept, causes and characteristics of learning disabilities.*
- *Discuss different types of learning disabilities and its associated conditions*
- *Develop teacher made assessment test in curricular areas*
- *Plan appropriate teaching strategies as per the specific needs of children with learning disability.*

Module 1: Learning Disabilities: Types

12hrs

- 1.1 Verbal learning disabilities: Dyslexia, Dysgraphia, Dyscalculia.
- 1.2 Nonverbal learning disabilities
- 1.3 Language Disorders
- 1.4 Associated Conditions: ADHD & ADD
- 1.5 Emotional & Behavioral problems.

Module 2: Assessment of basic curricular skills

12hrs

- 2.1 Assessment of Readiness skills
- 2.2 Assessment of Reading, Writing and Math skills
- 2.3 Teacher made test
- 2.4 Standardized Tests: Need, Types & Purpose
- 2.5 Interpretation of Test report

Module 3: Intervention strategies in Basic Skills of Learning

12hrs

- 3.1 Language skills
- 3.2 Reading
- 3.3 Writing
- 3.4 Maths Skills
- 3.5 Study skills

Module 4: Inclusion of children with LD

12hrs

- 4.1 Curriculum Adaptation
- 4.2 Differentiated Curriculum
- 4.3 Transition Planning
- 4.4 Vocational Education and Higher Education
- 4.5 Collaborative efforts: Teachers, Peers, family

Module 5: Trends, needs and issues

12hrs

- 5.1 Provisions for children with LD at school (across boards) and college level in India
- 5.2 Open schooling and home schooling
- 5.3 Community partnership
- 5.4 Advocacy
- 5.5 Use of technology

Hands on experience for notional hours (any two)

30 hrs 10 marks

1. Study a checklist for screening LD. Administer it for 5 cases and report reflections.

2. Develop teacher made assessment test in any one curricular area for a given child.
3. Plan appropriate teaching strategies as per the specific needs of a given child with learning disability.
4. Conduct a seminar on trends and issues in the field of LD
5. Make a poster for mainstream teachers on dealing with students with LD

Essential readings

- Adamson & Adamson: Handbook of Specific Learning Disabilities, Gardner Press USA 1979
- Eddy G.L: Adaptive Language Disorders of Youth, Adults with Learning disabilities,ingular Pub., California 1992.
- Langone, J: Teaching Students with Mild & Moderate Learning problems, Allyn& Bacon, Boston 1990
- Myklebust, H:Progress in Learning Disabilities, Guene and Stratton – New York – 1983
- Pierangelo, R & Robert, J: Parent’s complete Special Education Guide, 1996
- Reddy G.L. &Ramar R: Education of children with special needs, New Delhi – Discovery Pub. 2000
- **Suggested Readings:**
- Reid, K: Teaching the Learning Disabled, Allyn and Bacon, Baston, 1988
- Strichart, S., S :Teaching Study Strategies to Students with Learning Disabilities, Allyn & Bacon, Boston 1993
- Swady, E.R: Diagnosis & Correction of Reading, Difficulties, Allyn& Bacon Boston 1989
- Taylor, B: Reading Difficulties : Instruction and Assessment, Random House, New York, 1988
- Selikowitzi M : Dyslexia and other Learning Disabilities, Oxford Univ, Press – 1998

B 11 VOCATIONAL TRAINING, TRANSITION & JOB PLACEMENT

Unrevised

Course Code: B 11(f)

Contact Hours: 60

Credits: 03

Notional Hours: 30

Marks: 75

Objectives

After learning this content the trainees are expected to

- *Develop an understanding of vocational education & its relevance for PWD’s.*
- *Carry out vocational assessment and make vocational training plan.*
- *Plan for transition from School to job.*
- *Identify various avenues for job placement.*
- *Facilitate PWD’s in making choice of vocational trades.*
- *Acquire the concept of independent living and empowerment.*

Unit 1: Fundamentals & Assessment of Vocational rehabilitation

- 1.1. Definition, meaning and scope of Vocational Education.
- 1.2. Legislations, policies, agencies, schemes, concessions & benefits for PWDs with respect to employment.
- 1.3. Approaches and models of Vocational training
- 1.4. Assessment, Evaluation of Generic skills & specific job skills using various tools.
- 1.5. Approaches & Principles of vocational assessment.

Unit 2: Vocational Transition & Curriculum Planning

- 2.1. Concept, meaning, importance of Transition
- 2.2. Vocational transition models.
- 2.3. Transitional Planning at Pre vocational & post vocational level.
- 2.4. Development of Individualized Vocational Transitional Plan.
- 2.5. Development of Vocational Curriculum.

Unit 3: Process of Vocational Rehabilitation & Placement

10 Hours

- 3.1. Types of Employment Settings.
- 3.2. Process of Job Placement & Creation of Need based employment settings.
- 3.3. Adaptations, accommodation, Safety skills and First Aid.
- 3.4. Self Advocacy & Self Determination skill training
- 3.5. Equal opportunities and attitudes towards persons with disabilities

Hands on Experience for notional hours (ANY TWO) 30 hours 10 marks

1. Developing curriculum on any vocational skill.
2. Administering any vocational assessment tool.
3. Visit to any vocation Institution.

References:

- Kutty A.T. & Rao L.G, (2001) Transition of Persons with Mental Retardation from School to Work – A Guide, NIMH Publications, Secunderabad.
- Kutty A.T. & Rao L.G, (2003), Curriculum for Vocational Education, Transition of Persons with Mental Retardation from School to Work. Series -2, NIMH Publications, Secunderabad.
- John McDonnell & Michael L. Hardman, (2010), Successful transition Programs, Pathways for students with Intellectual & developmental disabilities, Sage Publications, Los Angeles.
- Mukhobadhyay, M. Editor Kutty A.T. (2006), Principles of Vocational Training Part-II, DVTE(MR) Manual , RCI & Kanishka Publisher, New Delhi.
- Rao, V.K. (2004), Vocational Education , A.P.H Publishing Corporation, New Delhi
- Whitehead, Tanya D & Hughey Joseph B, (2004) Exploring Self Advocacy From a Social Power Perspective, Nova Science publishers, New York
- Wehmeyer Michael.L. (2007), Promoting Self-Determination in students with Developmental Disabilities, Guilford Press, Washington.

C 13 AUTISM SPECTRUM DISORDERS: IDENTIFICATION AND ASSESSMENT OF NEEDS

Course Code: C13

Credits: 03

Contact Hours: 60

Notional Hours: 30

Marks: 75

OBJECTIVES

After completing this paper, the student teacher would be able to

1. Develop an understanding about concept, history and theoretical perspectives of autism spectrum disorders (ASD)
2. Explain the types and characteristics of ASD
3. Describe the disorders related with ASD
4. Explain the use of various assessment and diagnostic procedures
5. Explain the need and process of differential assessment

Module 1: Introduction to Autism Spectrum Disorders (ASD)

12 hours

- 1.1 Concept and definition of Autism Spectrum Disorders
- 1.2 The ASD Triad
- 1.3 Historical perspective to ASD
- 1.4 Prevalence and incidence of ASD
- 1.5 Theoretical perspective: Empathising-Systemising Theory, Central Coherence Theory, Executive Dysfunction Theory

Module 2: Types and Characteristics

12 hours

- 2.1 Autism
- 2.2 Asperger's Syndrome
- 2.3 Rett Syndrome
- 2.4 Childhood Disintegrative Disorders
- 2.5 Pervasive Developmental Disorders-not Otherwise Specified

Module 3: Related Disorders

12 hours

- 3.1 Hyperlexia
- 3.2 Semantic pragmatic and sensory integration disorders
- 3.3 Non-Verbal Learning Disability
- 3.4 Prader Willis Syndrome
- 3.5 Fragile X Syndrome

Module 4: Identification and Assessment

12 hour

- 4.1 Screening, diagnosis and assessment
 - Concept and definition
 - Tools: checklist, standardized test & criteria, observation
- 4.2 Screening Tools: CHAT; MCHAT; Infant-Toddler Checklist; QCHAT; Autism Spectrum Screening Questionnaire
- 4.3 Diagnostic Criteria and Tools: DSM-V; ICD-10; ADOS, ADI-R, CARS, GARS, ISAA
- 4.4 Areas of Assessment of
 - Psychological: WISC, Malins, Binet-Kamath
 - Developmental: Infant-Toddler Checklist, Child Developmental Screening
 - Educational: Psycho-Educational Profile; Adolescents and Adults Psycho Educational Profile, Curricular based assessment, FACP, EACCID
 - Functional: Functional Analysis
 - Behavioral: Vineland Social Maturity Scale, ABS, Assessment of Basic Language and Learning Skills (ABBLs), Behavior Problem Inventory, BASIC-MR, and BASAL-MR
- 4.5 Teacher competencies in assessment

Module 5: ASD- Differential Assessment

12 hours

- 5.1 Need for differential assessment
- 5.2 Assessment of Language and communication
- 5.3 Assessment of Perceptual motor skills
- 5.4 Assessment of sensory processes

5.5 Critical aspects of assessment: training and procedure

Transaction

- Lectures
- Presentations
- Project
- Workshops / seminar

Hands on Experience for notional hours: (ANY TWO)

30 Hrs 10 Marks

1. Development of observation schedules for different settings
2. Administration of screening and assessment tools on given children
3. Development of a teacher made tool for assessing language and communication
4. Development of an educational profile for any child with related disorders with ASD

Note: Task # 1 is essential

Essential reading

1. Attwood, T. (2008). The complete guide to Asperger Syndrome. Jessica Kingsley Publications. London.
2. Siegel, B. (1996): The World of Autistic Child. Oxford University Press. New York
3. Delcato, C. (1974). The ultimate stranger; the autistic child. Garden City, NY: Doubleday
4. T.Williams (2011) Autism Spectrum Disorders-From Genes to Environment. In Tech, Croatia
5. Simpson, R. L, Smith Myles, B. (Eds.) (2008) Educating children and youth with autism: strategies for effective practice. (2nd edition) Pro Ed. Texas
6. Myles, B.S. and Simpson, R.L. (2003). Asperger's syndrome: A guide for educators and parents (2nd ed.), Autin, TX: PRO-ED
7. American Psychiatric Association (2014). Diagnostic and Statistical Manual of Mental Disorders (5th Edition). Washington DC.
8. Arya, S., Rao, L.G., Jayaram, M & Deshpande, S.N. (2009). Indian Scale for Assessment of Autism. National Institute for the Mentally Handicapped, Secunderabad

Suggested reading

- 1 National Resource Council, (2002). *Educating Children with Autism*. National Academic Press, Washington
- 2 Bettelheim, B. (1967). *The empty fortress: Infantile autism and the birth of self*. New York : Free Press.
- 3 Donald J. Cohen and Fred R.Volkmar (1997) *Handbook of Autism and Pervasive Developmental Disorders*, 2nd Edition. New York, NY. John Wiley and Sons, Inc.
- 4 Frith, U. (1989). *Autism. Explaining the enigma*. Oxford UK & Cambridge USA: Blackwell.

C 14 AUTISM SPECTRUM DISORDERS: CURRICULUM DESIGNING, ADAPTATION AND EVALUATION

Course Code: C14

Contact Hours: 60

Marks: 75

OBJECTIVES

Credits: 03

Notional Hours: 30

After completing this course, the student teacher should be able to

1. Discuss the principles, approaches and types of curriculum
2. Explain the process of developing a curriculum and educational program
3. Develop suitable content for curricular areas in special education
4. Apply the process for modification and accommodation for adapting general school curriculum
5. Describe the methods used for evaluation of learning

Module 1: *Development of Curriculum*

12 hours

- 1.1 Curriculum: concept, aims and principles
- 1.2 Orientations to Curriculum Development;
 - a. Child centred
 - b. Society-centred
 - c. Knowledge-centred
 - d. Eclectic
- 1.3 Approaches: child-centred, activity-centred, Ecological approach
- 1.4 Types of curriculum: core, support, collateral , hidden and co-curriculum
- 1.5 Person Centred Program and Individualized Educational Program

Module 2: *Curriculum Development and Teaching*

12 hours

- 2.1 Community and learner needs assessment
- 2.2 Aims, Goals and objectives
- 2.3 Selection of teaching methods and material
 - Microteaching
 - Scaffolding
 - T-L aids
- 2.4 Implementation and recording
- 2.5 Evaluation

Module 3: *Curricular Focus for Children with ASD*

12 hours

- 3.1 Language and social communication
- 3.2 Self-care
- 3.3 Social behaviour
- 3.4 Academic skills
- 3.5 Pre-vocational and leisure

Module 4 *Curricular Adaptation for Inclusive Education of Children with ASD*

12 hours

- 4.1 Adaptation of curriculum for children with ASD
- 4.2 Types of adaptation needed for children with ASD
 - a. Content
 - b. Instructional
 - c. Ecological
- 4.3 Stages of adaptation
 - a. General adaptation
 - b. Specific adaptation
- 4.4 Accommodation & modification
 - a. Perceptual style
 - b. Cognitive style
 - c. Social style
- 4.5 Accommodation of co-curricular activities and learning material

Module 5 *Methods of Evaluating Children with ASD*

12 hours

- 5.1 Evaluation: definition and purpose
- 5.2 Observation

- 5.3 Record Review
- 5.4 Teacher made test tests
- 5.5 Standardized rating scales

Hands on Experience for notional hours: (ANY TWO)

30 Hrs 10 Marks

1. Development of curriculum for given pre-school child with autism using suitable approach
2. Adaptation of curriculum for a child with high functioning autism
3. Development of a teacher made test in a selected area
4. Adaptation of teaching aid for a given content area

Transaction

- Lectures
- Presentations
- Self-study and use of Online Education Resources
- Project
- Workshops / seminar

Essential reading

1. Tyler, R (2013). Basic Principles of Curriculum and Instruction. University of Chicago Press, USA
2. **Jacobs, H.H. (2010).Curriculum 21: Essential Education for a Changing World. ASCD Publications, USA**
3. Wiles, J. (1998) Curriculum Development-A Guide to Practice. Merrill Publications
4. Marsh, C.J. (2004). Key Concepts for Understanding Curriculum. RoulledgeFalmer
5. Woodward, J & Larry, C. (2001). Technology, Curriculum, and Professional Development: Adapting Schools to Meet the Needs of Students with Disabilities
6. Hewitt, T.W. (2006). Understanding and Shaping Curriculum, What We Teach and Why. Sage Publications. USA
7. R.L. Simpson & B.S. Myles (2008) Educating Children and Youth with Autism: Strategies for effective practice, 2nd ed. Pro.Ed. Texas
8. Myles, B.S. and Simpson, R.L. (2003). Asperger's syndrome: A guide for educators and parents (2nd ed.), Autin, TX: PRO-ED

Desired reading

1. Print, M. (1993). Curriculum Development and Design. Allen and Unwin. USA
2. National Resource Council, (2002). *Educating Children with Autism*. National Academic Press, Washington

C 15 AUTISM SPECTRUM DISORDERS: TEACHING APPROACHESAND STRATEGIES

Course Code: C15
Contact Hours: 60
Marks: 75

Credits: 03
Notional Hours: 30

OBJECTIVES

After completing this course, the student teacher should be able to

- 1. Describe the developmental methods for intervention of autism at preschool level*
- 2. Apply the behavioural approaches in teaching children with autism*
- 3. Develop academic skills in children using the cognitive approach*
- 4. Explain the methods for developing appropriate social and self-management skills in children with autism*
- 5. Apply various strategies for enhancement of learning in children with autism*

Module 1: Developmental Approach **12 hours**

- 1.1 Early intervention
- 1.2 Floor time
- 1.3 LEAP (Learning Experience Alternative Program)
- 1.4 Early Start Denver Model
- 1.5 JASPER (Joint Attention Symbolic Play Engagement Regulation)

Module 2: Behavioural Approach **12 hours**

- 2.1 Applied behavioural analysis
- 2.2 Discrete trial training
- 2.3 TEACCH
- 2.4 Analysis of Verbal Behaviour
- 2.5 Pivotal Response Training

Module 3: Cognitive Approach **12 hours**

- 3.1 Mind reading
- 3.2 Meta-cognitive strategies
- 3.3 Cognitive behaviour modification
- 3.4 Teaching of reading and writing
- 3.5 Teaching arithmetic and related areas (money, and time)

Module 4: Social Approach **12 Hours**

- 4.1 Social story
- 4.2 Comic strips
- 4.3 Peer-mediated programs
- 4.4 Sex education and Social behaviour
- 4.5 Self-regulation

Module 5: Teaching Methods and Strategies **12 Hours**

- 5.1 Physical environment and classroom organization
- 5.2 Task analysis & reinforcement
- 5.3 Joint Action Routines
- 5.4 Visual strategies
- 5.5 Visual Activity Schedules

Hands on Experience for notional hours: (ANY TWO) **30 Hrs 10 Marks**

1. Development of a program for skill learning using any behavioural approach
2. Presentation of seminar on cognitive approach suitable for a given child with autism
3. Development of comic strips and social stories for teaching appropriate classroom behaviour

Transaction

- Lectures
- Presentations
- Project
- Workshops / seminar

Essential reading

1. Greenspan, S.I. and Wieder, S. (2008) **Engaging Autism: Using the Floortime Approach to Help Children Relate, Communicate, and Think** .Da Capo Press Inc
2. McClannahan, L.E. and Krantz, P.J. (2010) *Activity Schedules for Children with Autism: Teaching Independent Behavior*. Woodbine House Inc., U.S
3. [Delaney](#), T (2009) *101 Games and Activities for Children With Autism, Asperger's and Sensory Processing Disorders*. McGraw-Hill Contemporary
4. R.L. Simpson & B.S. Myles (2008) *Educating Children and Youth with Autism: Strategies for effective practice*, 2nd ed. Pro.Ed. Texas
5. Grandin, T. (1995). *Thinking in Pictures and Other Reports from My Life with Autism* Vintage Books
6. Wheeler, M. (2007). *Toilet Training for Individuals with Autism or other Developmental Issues* (2nd edition) Future Horizons, Texas
7. Savner, J.L. & Myles, B.S. (2000). *Making visual supports work in home and community: Strategies for individuals with autism and Asperger's Syndrome*. Shawnee Mission, KS. Autism Asperger Publishing
8. T. Williams (2011) *Autism Spectrum Disorders-From Genes to Environment*. In Tech, Croatia
9. Kasari, C (2013) *Targeted Treatment of Joint Attention, Symbolic Play, and Engagement Regulation for Children with Autism*. Routledge
- 10 W. Sailor, G. Dunlap, G. Sugai, & R.H. Horner (2009)). *Handbook of positive behavior support* (pp. 107–123). New York: Springer

Desired reading

1. Kathleen Ann Quill (1995) *Teaching Children with Autism: Strategies to Enhance Communication and Socialization*. Albany, NY. Delmar Publishers, Inc.
2. Frost, Lori A. & Andrew S. Bondy (1996) *The Picture Exchange Communication System Training Manual*. Cherry Hill, NJ: Pyramid Educational Consultants, Inc.
3. Peterson, Susan (2000). *Picture Exchange Communication System*.
4. National Resource Council, (2002). *Educating Children with Autism*. National Academic Press, Washington
5. Schopler, E, Mesobov, G.B., & Kuncze, L. J. (Eds.). (1998). *Asperger's Syndrome or High Functioning Autism?* Plenum Press, New York
6. M. Prior (2003), *Learning and behavior problems in Asperger syndrome*. New York: Guilford Press.
7. Myles, B.S. and Simpson, R.L. (2003). *Asperger's syndrome: A guide for educators and parents* (2nd ed.), Autin, TX: PRO-ED
8. Maag, J.W. (2004). *Behavior management: From theoretical implications to practical applications* (2nd ed.) Belmont, CA. Wadsworth/Thomson Learning
9. Gray, C. (2000). *The New Social Story Book*. Arlington, TX: Future Horizons
10. Cooper, J.O., Heron, T.E., & Heward, W.L. (1987) *Applied Behavior Analysis*. Upper Saddle River, NJ, Prentice Hall.
11. Siegel, B. (1996): *The World of Autistic Child*. Oxford University Press. New York
12. Baron-Cohen, S. (2003a). *The essential difference: The truth about the male and female brain*. New York: Basic Books
13. Martin, N. (2009) *Art as an early intervention tool for children with autism*. Jessica Kingsley Publishers, PA. USA

C 16 ASSISTIVE INTERVENTIONS AND TECHNOLOGY

Course Code: C16

Credits: 03

Contact Hours: 60

Notional Hours: 30

Marks: 75

OBJECTIVES

After completing this course, the student teacher should be able to

1. *Develop an understanding of etiological aspects of autism spectrum disorder*
2. *Comprehend and develop suitable interventions of language and communication for children with autism spectrum disorder*
3. *Describe the sensory processes and comprehend the role of sensory integration therapy for children with autism spectrum disorder*
4. *Explain the need and types of assistive technology suitable for children with autism spectrum disorder*
5. *Assess children's need for assistive technology and integrate technology in teaching and learning*

Module 1. Etiological Aspects

12 hrs

- 1.1 Genetic factors
- 1.2 Prenatal factors
- 1.3 Perinatal factors
- 1.4 Postnatal factors
- 1.5 Early Signs and Screening for ASD

Module 2 Communication Aspects

12 hrs

- 2.1 Language, Communication, Speech: concept and definition
- 2.2 Language:
 - 2.2.1 Components: Semantics, Syntax, Pragmatics
 - 2.2.2 Disorders: Echolalia, perseverance, neologism
- 2.3 Communication: Process and types
- 2.4 Speech Disorders: Articulation, fluency and voice disorders
- 2.5 Interventions: AAC, PECS, Makaton, and Visual Strategies

Module 3 Sensory Motor Aspects

12 hrs

- 3.1 Sensory processes: underlying concepts
- 3.2 Sensory processes in ASD
- 3.3 Executive function deficits
- 3.4 Sensory integration therapy
- 3.5 Sensory integration: aids and devices

Module 4 Assistive Technology (AT) and Assistive Devices (AD)

12 hrs

- 4.1 AT and AD: Concept and definition
- 4.2 AD Categories: Low-Tech devices, Mid-Tech devices, High-Tech Devices
- 4.3 AT for communication: Dynavox, Avaz, Kathamala
- 4.4 AT for positive behaviour support and recreation: visual schedules, social stories; use of social media, electronic musical instruments
- 4.5 AT for academic learning: i-pad applications, computer assisted instructions

Module 5 Need Assessment and Planning for Assistive Technology

12 hrs

- 5.1 Assessment areas: Communication, Academic, Motor, Behaviour, Organization, Social Interactions, Transitions, Other concerns
- 5.2 Assessment of environmental support: Visual clutter, Lighting, Computer Operating System, Staff placement, other concerns
- 5.3 Preparation for AT: Selection of devices, Training for device usage
- 5.4 Selection of goals: Verbal communication, written communication, Academic participation, Social interaction, Transition
- 5.5 Integration of AT and AD in teaching-learning environment

Hands on Experience for notional hours: (ANY TWO)**30 Hrs 10 Marks**

1. Seminar on environmental factors for ASD in India
2. Assessment for selection of suitable Assistive technology for a given child with ASD
3. Develop a low-tech assistive device for communication
4. Plan an educational unit that integrates usage of AT

Transaction

- Lectures
- Presentations
- Project
- Workshops / seminar

Essential reading

1. Shattock P, Whiteley P. (2002) "Biochemical aspects in autism spectrum disorders: updating the opioid-excess theory and presenting new opportunities for biomedical intervention" "Autism Research Unit, University of Sunderland, UK.
2. Koomer, J. and Kranowitz, C. (2007) Answers to questions teachers ask about sensory integration. Future Horizons, Texas
3. Culp, S. (2011) A Buffet of Sensory Interventions: Solutions for Middle and High School Students With Autism Spectrum Disorders. AAPC Publishing, Kansas
4. Frost, Lori A. & Andrew S. Bondy (1996) The Picture Exchange Communication System Training Manual. Cherry Hill, NJ: Pyramid Educational Consultants, Inc
5. Cormier, C. and Natale, N. (2014). Assistive Technology Guide to Maximize Learning for Children with Autism. Create Space Independent Publishing Platform. UK
6. Moyes, R.A (2010) Building Sensory Friendly Classrooms to Support Children with Challenging Behaviors: Implementing Data Driven Strategies! Sensory World
7. Beukelman, D. & Mirenda, P. (2004). *Augmentative and Alternative Communication: Management of Severe Communication Disorders in Children and Adults*. Baltimore, MD: Paul H. Brookes Publishing Co
8. Boser, K.I., Goodwin, M.S. and Wayland, S.C (2013) Technology Tools for Students With Autism: Innovations that Enhance Independence and Learning. Brookes Publishing.

Desired readings

1. Howlin, P., & Rutter, M. (1991). Treatment of autistic children. Chichester: John Wiley & Sons.
2. Accardo, P.J., Magnusen, C., and Capute, A.J. (2000). Autism: Clinical and Research Issues. York Press, Baltimore
3. Kendel, E., Schwartz, J., & Jessell, T. (2000). Principles of neural science. New York: McGraw-Hill
4. Twachtman-Cullen, D. (2000). How to be a para pro: A comprehensive training manual for paraprofessionals. Higganum, CT. Starfish Speciality Press.
5. Kathleen Ann Quill (1995) Teaching Children with Autism: Strategies to Enhance Communication and Socialization. Albany, NY. Delmar Publishers, Inc.

C 17 AUTISM SPECTRUM DISORDERS:ADULTHOOD AND FAMILY ISSUES

Course Code: C17

Contact Hours: 60

Marks: 75

Credits: 03

Notional Hours: 30

OBJECTIVES

After completing this course, the student teacher should be able to

1. *Prepare need-based transition program for students with autism*
2. *Comprehend the issues and challenges of faced by adults with autism*
3. *Appreciate the needs and role of parents, family and community*
4. *Describe the legal provisions and the process of community based rehabilitation for persons with ASD*

Module 1: *Transition from adolescence to adulthood for a person with ASD* 12 hours

- 1.1 Individual Transition Plan
- 1.2 Life skill education
- 1.3 Vocational training and higher education
- 1.4 Self determination and self management
- 1.5 Mental health in transition

Module 2 *Career Education and Employment*

- 2.1 Career education: Concept, definition and need
- 2.2 Open employment
- 2.3 Supported employment
- 2.4 Sheltered employment
- 2.5 Self employment

Module 3: *Preparedness for Adulthood* 12 hours

- 3.1 Critical thinking and problem solving
- 3.2 Sexuality and Sex education
- 3.3 Marriage and relationship
- 3.4 Housing and living arrangements
- 3.5 Financial management and Guardianship

Module 4 *Needs and role of Family and Community* 12 hrs

- 4.1 Parents- needs and responsibilities
- 4.2 Siblings- challenges and expectations
- 4.3 Peers and Extended family- role and responsibilities
- 4.4 Guidance and Counselling
- 4.5 Community participation and rehabilitation

Module 5 *Community Based Rehabilitation and Legal Provision* 12 hrs

- 5.1 CBR: concept and Definition
- 5.2 Models of CBR
- 5.3 Citizen advocacy
- 5.4 Self disclosure and advocacy
- 5.5 Legal and constitutional provisions

Hands on Experience for notional hours: (ANY TWO)

30 Hrs 10 Marks

1. Develop an individual transition plan for a student with autism
2. Develop an outline of a sex education program for students with ASD
3. Develop a community based rehabilitation program for students with autism

Transaction

- Lectures
- Presentations
- Project
- Workshops / seminar

Essential reading

1. Hagland, C. (2009) *Getting to grips with Asperger syndrome: understanding adults on the autism spectrum*. London: Jessica Kingsley,
2. Howlin, P. (2004) *Autism and Asperger syndrome: preparing for adulthood*. 2nd ed. London: Routledge
3. Koegel, L.K. and LaZebnik, C. (2010) *Growing up on the spectrum: a guide to life, love, and learning for teens and young adults with autism and Asperger's*. New York: Penguin Group
4. Boushey, A. (2007) *Talking teenagers: information and inspiration for parents of teenagers with autism or Asperger's syndrome*. London: Jessica Kingsley
5. Bruey, C.T. and Urban, M.B. (2009) *The autism transition guide: planning the journey from school to adult life*. Bethesda, Maryland: Woodbine House
6. Bliss, E.V. and Edmonds, G. (2008) *A self-determined future with Asperger syndrome: solution focused approaches*. London: Jessica Kingsley
7. Breakey, C. (2006) *The autism spectrum and further education: a guide to good practice*. London: Jessica Kingsley
8. Patrick, N. J. (2008) *Social skills for teenagers and adults with Asperger syndrome: a practical guide to day-to-day life*. London: Jessica Kingsley
9. Hénault, I. (2006) *Asperger's syndrome and sexuality: from adolescence through adulthood*. London: Jessica Kingsley
10. Van Der Post, A. et al (2009) *Children and teenagers with Aspergers: the journey of parenting from birth to teens*. Brentwood: Chipmunka publishing

Desired reading

- 1 Johnson, J and Van Rensselaer, A. (2008) *Families of adults with autism: stories and advice for the next generation*. London: Jessica Kingsley
- 2 Attwood, S. (2008) *Making sense of sex: a forthright guide to puberty, sex and relationships for people with Asperger's syndrome*. London: Jessica Kingsley

D 17 READING AND REFLECTING ON TEXT

Course code: D 17

Contact Hours: 30

Credits: 02

Notional Hours : 30

Marks: 50

Introduction:

One of the core areas that schools focus upon is age appropriate and fluent literacy skills. Hence, aspirant graduates who intend to make career in education must be good readers and good writers (in literally sense). Due to several reasons a student teacher like you may not have adequate skills, interest and motivation for reading and writing. Here is a skill based and activity oriented course designed to give you an opportunity to look at reading writing

seriously, relearn it as a professional activity, apply it for students with special needs and enjoy it like never before.

Objectives

After completing the course the learners will be able to:

- *Reflect upon current level of literacy skills of the self*
- *Show interest and begin working upon basic skills required to be active readers in control of own comprehension.*
- *Show interest and begin working upon basic skills required to be independent writers understanding adequate intent, audience and organization of the content.*
- *Prepare self to facilitate good reading writing in students across the ages.*
- *Find reading writing as learning and recreational tools rather than a course task.*

Module 1: Reflections on Literacy

- 1.1 Literacy and Current University Graduates: Status and Concerns
- 1.2 Role of Literacy in Education, Career and Social Life
- 1.3 Literacy, Thinking and Self Esteem
- 1.4 Literacy of Second Language / English: Need And Strategies
- 1.5 Basic Braille Literacy

Module 2: Reflections on Reading Comprehension

- 1.1 Practicing Responses to Text: Personal, Creative and Critical
- 1.2 Meta Cognitive Awareness of Reading Processes and Strategies Applied for Meaning Making
- 1.3 Developing Good Reading Skills and Habits in Primary Level Students: Activities And Strategies
- 1.4 Basic Understanding Of Reading Comprehension Of Children With Hearing Impairment And Learning Disability

Module 3: Skill Development in Responding To Text

- 3.1 Indicators of Text Comprehension: Retelling, Summarizing, Answering, Predicting, Commenting and Discussing
- 3.2 Practicing Responding To Text (Using The Indicators) For Recreational Reading Material (Narrations) And School Textbooks (Description)
- 3.3 Practicing Responding To Text (Using The Indicators) For Reports, Policy Documents And News (Expositions) And Editorial, Academic Articles, Advertisement Copy, Resume (Argumentation)
- 3.4 Practicing Web Search, Rapid Reading And Comprehensive Reading

Module 4: Reflecting Upon Writing as a Process and Product

- 4.1 Understanding Writing As A Process: Content (Intent, Audience And Organization)
- 4.2 Understanding Writing As A Process: Language (Grammar, Vocabulary, Spelling)
- 4.3 Understanding Writing As A Process: Surface Mechanics (Handwriting, Neatness, Alignment And Spacing)
- 4.4 Practicing Self Editing And Peer Editing Of Sample Texts

4.5 Practicing Evaluating Students Writing Using Parameters: Productivity, Correctness, Complexity, Text Organization And Literary Richness

Module 5: Practicing Independent Writing

5.3 practicing Writing: Picture Description/ Expansion Of Ideas / Essays / Stories

5.4 Practicing Daily Leaving Writing: Applications / Agenda - Minutes/ Note Taking

5.5 Practicing Converting Written Information Into Graphical Representation

5.6 Practicing Filling Up Surveys, Forms, Feedback Responses, Checklists

5.7 Reflections On The Course: From Theory To Practice To Initiating Process To Improve Self

Hands on Experience for notional hours: (ANY ONE) 30 Hrs(5 Marks)

1. Have a peer editing of independently written essays and discuss your reflections upon this experience.
2. Prepare a feedback form for parents and for teachers focussing on differences in the two forms due to different intent and audience.
3. Develop a short journal of graphical representation of 3 newspaper articles on school education using the options given in 2.4.
4. Visit a book store for young children, go through the available reading material including exercise books, puzzles etc and make a list of useful material for developing early literacy skills.

TRANSACTIONS

It is highly recommended that this course reaches meta-level understanding of own reading process by the student teachers. Hence lecturers are suggested to float the theory bare minimum focussing more on 'insights through practice sessions'. To keep the motivation high and complexity low the transactions must involve hands on activities based on the units of the course. The terminology used in units is more for the understanding of the lecturers than the student teachers since this is a newly introduced course in this revised syllabus. Experiential discussions, team tasks and internalising learning by doing are expected to obtain best outcomes. Evaluation must target process of reflecting upon own personalised insights into reading and responding to texts. Hence, entire internal assessment must focus on progressions through activities rather than written tests.

Essential Reading

- Soundarapandian, M. (2000). Literacy campaign in India. Discovery Publishing House: New Delhi.
- May, Frank B. (2001). Unravelling the seven myths of reading. Allyn and Bacon: Boston
- Tovani.C&Keene.E.O (2000).*I Read It, but I Don't Get It: Comprehension Strategies for Adolescent Readers*. Stenhouse Publishers
- McGregor.T(2007). *Comprehension Connections: Bridges to Strategic Reading*. Heinemann Educational Books
- Anderson, R., Hiebert, E., Scott, J., & Wilkinson, I. (1985). Becoming a Nation of Readers: The report of the commission on reading. Washington, DC: National Institute of Education and the Center for the Study of Reading.

- ASER report of 2015: Pratham Publication

Suggested Readings:

- McCormick, Sandra. (1999). *Instructing students who have literacy problems.*(3rd) Merrill: New Jersey
- Aulls, Mark W. (1982). *Developing readers in today's elementary school.* Allyn and Bacon: Boston
- Heller, Robert. (1998). *Communicate clearly.* DK Publishing: New York.
- May, Frank B. (1998). *Reading as communication.* Merrill: New Jersey
- Gallanher.K (2004).*Deeper Reading: Comprehending Challenging Texts.* Stenhouse Publishers
- Miller.D (2002).*Reading With Meaning: Teaching Comprehension in the Primary Grades.* New York: Stenhouse Publishers
- Baniel, Anat. (2012). *Kids beyond limits.* Perigee Trade: New York
- Pandit, Bansibhari, Suryawanshi, DhyaneKute&Meena Prakash. (2007) *Communicative language teaching in English:* NityanutanPrakashan: Pune
- Paul, Peter V. (2009). *Language and Deafness.* Jones and Bartlett: Boston
- Ezell and Justice (2005). *Programmatic Research on Early Literacy: Several Key Findings. IES 3rd Annual Research Conference: American Speech Language & Hearing Association (ASHA).*
- Frank, Smith (1985). *Reading without Nonsense.* New York: Teachers College Press, 10027.
- Luetke-Stahlman and Nielsen (2003). *Early Literacy of Kindergartners with Hearing Impairment. High Beam*
- *Research The Gale Group, Inc. & GRIN Publishing Munich Germany.*

D 18 DRAMA AND ART IN EDUCATION

Course code: D 18
Contact Hours: 30

Credits: 02
Notional Hours :30
Marks: 50

Introduction:

India has an excellent historical backdrop as well as contemporary talents in the field of art. However, it is debatable whether the same has been translated into our school system effectively. Do most of our students get exposure to a variety of activities involving knowing, exploring and appreciating art? Most probably they do not. It is time that we take a fresh look at what art education is and what role it plays in school education. More than anything, art education is also expected to enhance learning. And do teachers know how to go about it to

achieve it? Here is an opportunity to facilitate the art within you which in turn will reflect art in within students.

Important Note: for a student teacher with disability appropriate learning alternatives are to be given by the college. For example, a candidate with blindness must get alternative learning opportunities and evaluative tasks for visual art or a candidate with deafness for music art – if and when needed.

Objectives

After completing the course the learners will be able to:

- *Exhibit Basic understanding in art appreciation, art expression and art education*
- *Plan and implement facilitating strategies for students with and without special needs*
- *Discuss the adaptive strategies of artistic expression*
- *Discuss how art can enhance learning*

Module1: Introduction to and art Education

- 1.1 Art and art education: Meaning, scope and difference
- 1.2 Artistic expression: Meaning and strategies to facilitate
- 1.3 Art therapy: concept and application to students with and without disabilities
- 1.4 Linking Art education with multiple intelligences
- 1.5 understanding emerging expression of art by students

Module 2: Performing Arts: Dance and Music

- 2.1 Range of art activities related to dance and music
- 2.2 Experiencing, responding and appreciating dance and music
- 2.3 Exposure to selective basic skills required for dance and music
- 2.4 Dance and Music: Facilitating interest among students: planning and implementing activities
- 2.5 Enhancing learning through dance and music for children with and without special needs: strategies and adaptations

Module 3: Performing Arts: Drama

- 3.1 Range of art activities in drama
- 3.1 Experiencing, responding and appreciating drama
- 3.3 Exposure to selective basic skills required for drama
- 3.4 Drama: Facilitating interest among students: planning and implementing activities
- 3.5 Enhancing learning through drama for children with and without special needs: strategies and adaptations

Module 4: Visual Arts

- 1.1 Range of art activities in visual arts
- 1.2 Experiencing, responding and appreciating visual art
- 1.3 Exposure to selective basic skills in visual art
- 1.4 Art education: Facilitating interest among students: planning and implementing activities
- 1.5 Enhancing learning through visual art for children with and without special needs: strategies and adaptations

Module 5: Media and Electronic Arts

- 5.1 Range of art activities in media and electronic art forms
- 5.2 Experiencing, responding and appreciating media and electronic arts
- 5.3 Exposure to selective basic skills in media and electronic arts

5.4 Media and electronic arts: Facilitating interest among students: planning and implementing activities

5.5 Enhancing learning through media and electronic art for children with and without special needs: strategies and adaptations

Hands on Experience for notional hours: (ANY TWO)

30 Hrs (5 Marks)

1. 'hot seating' activity for historical / contemporary personalities wherein students play the role of that personality to advocate his/her opinions/decisions/thought processes. (for example, Akbar, Hitler, Galileo, Bhagat Singh etc)
2. Portfolio submission of the basic skills exposed in any one of the art forms of choice.
3. Write a self reflective essay on how this course on art will make you a better teacher.
4. Learn and briefly explain how music notations are made. Submit a brief report OR learn and explain the concept of composition in visual art. Submit a brief report. OR make and submit a sample advertisement for a product OR Learn Mudras of a classical dance forms and hold a session for the students on that. Submit photo report of the same OR Carry out web search on Indian sculpture and submit a brief compilation.
5. Observe an art period in a special school and briefly write your reflections on it.

TRANSACTIONS:

Curriculum transactions of this course are recommended to involve holistic teaching learning rather than the conventional 'unit by unit' steps. More number of local visiting faculties may be invited to talk about the ideas and its applicability in art education. Collaborative sessions and workshops with local B Ed colleges (in general as well as special education) will help students see the diverse perspective of art appreciation. Transactions of this course may involve student demonstrations, role plays, hands on experiences with basic skill development and outdoor visits for exploring best practices of art education for students with and without special needs. Evaluation strategies may focus reflections and innovative ideas rather than theoretical data based information.

Essential Reading:

- Finlay, Victoria. The brilliant History of Color in Art. Getty Publications. China
- Shirley, Greenway. (2000). Art, an A to Z guide. Franklin Watts: USA
- Vaze, Pundalik. (1999). How to Draw and Paint Nature. JyosnaPrakashan: Mumbai
- Ward, Alan.(1993) Sound and Music. Franklin Watts: New York

Suggested Readings:

- Beyer, E. London. (2000). The arts, popular culture and social change
- Heller, Robert. (1999). Effective Leadership. DK Publishing: New York.
- Greene, Sheila & Hogan, Diane. (2005).Researching children's experience. Sage Publication: London
- Baniel, Anat. (2012). Kids beyond limits. Perigee Trade: New York
- Efland, A. D. (1990). *A history of Art Education: Intellectual and social currents in teaching the visual arts*. New York, NY: Teachers College Press.
- C. Lewiecki-Wilson & B. J. Brueggemann (Eds.), Disability and the teaching of writing: A critical sourcebook. Boston, MA: Bedford/St. Martin's.
- L. Nyman & A. M. Jenkins (Eds.), *Issues and approaches to art for students with special needs* (pp. 142–154). Reston, VA: National Art Education Association.
- Gair, S. B. (1980). Writing the arts into individualized educational programs. *Art Education*,33(8), 8–1

D 19 BASIC RESEARCH AND STATISTICS

Course Code: D 19
Contact Hours: 30

Credit: 02
Notional Hours 30
Marks: 50

Objectives: After completion of this course the student will be able to

- *Describe the concept and relevance of research in education and special education*
- *Develop an understanding of the research process and acquire competencies for conducting a research*
- *Explain the various types of tools used in conducting research*
- *Describe the methods of measurement and organization of data*
- *Apply suitable measures for data analysis*

Module 1: Introduction to Research

- 1.1 Scientific method
- 1.2 Research: concept and definition
- 1.3 Application of scientific method in research
- 1.4 Purpose of research
- 1.5 Research in education and special education

Module 2: Types and Process of Research

- 2.1 Types of research
 - Basic/Fundamental
 - Applied
 - Action
- 2.2 Methods of Research
- 2.3 Process of research
 - Selection of problem
 - Formulation of hypothesis
 - Collection of data
 - Analysis of data & conclusion
- 2.4 Action research in teaching learning environment
- 2.5 Professional competencies for research

Module 3. Tools of Research

- 3.1 Tests: Norm referenced, Criterion referenced, Teacher made
- 3.2 Observation schedule
- 3.3 Questionnaire
- 3.4 Rating Scale
- 3.5 Checklist

Module 4 Measurement Scale and Organization of Data

- 4.1 Data: Continuous and discrete
- 4.2 Scale for measurement: Nominal, Ordinal, Interval and Ratio
- 4.3 Array and Frequency distribution
- 4.4 Frequency polygon
- 4.5 Histogram

Module 5 Descriptive Statistics

- 5.1 Descriptive statistics: Concept and application
- 5.2 Measures of central tendency: Mean, Median and Mode,
- 5.3 Measures of Dispersion: Standard deviation and Quartile deviation
- 5.4 Correlation: Product Moment r and Rank Order
- 5.5 Graphic representation of data

TRANSACTIONS:

Curricular transactions for this course must involve more pragmatic approach than mere theoretical discussions. Best outcomes in terms of understanding, skills and pro active attitude towards role of environment and family can be obtained if this course is well linked with experiences. Focus has to be placed on understanding research carried out by others and their outcomes. Also minimum jargon to be used with more applicability to be emphasized. Evaluations too will involve application rather than theory.

Hands on Experience for notional hours: (ANY ONE)

30 Hrs (5 Marks)

1. Develop a schedule for observing classroom behaviour
2. Submit an outline for an action research

Essential reading

- Best, J. W. and Kahn, J. V. (1996) *Research in Education* Prentice-Hall of India New Delhi
- Dooley, D. (1997) *Social Research Methods*. New Delhi: Prentice-Hall of India.
- Grewal, P. S. (1990) *Methods of Statistical Analysis*. New Delhi: Sterling Publishers
- Gupta, S. (2003) *Research Methodology and Statistical Techniques*. New Delhi: Deep & Deep Publishing.
- Koul, Lokesh. (1996). *Methodology of Educational Research*. New Delhi: Vikas Publishing House
- Potti, L. R. (2004) *Research Methodology*. Thiruvananthapuram: Yamuna Publications

Suggested Reading

- Cohen, J. (1988) *Statistical Power Analysis for the Behavioral Sciences*. New York: Academic Press
- Greene, Sheila & Hogan, Diane. (2005). *Researching children's experience*. Sage Publication: London

E 1: Cross Disability & Inclusion (Other disability)

IMP: *Practical activities in this section must be conducted on children with LD OR ID OR ASD OR VI OR MD*

Semester - I

Credits: 02

Hours: 60

Marks: 50

S. No	Task	Educational settings	Specific activities	Hrs	Marks	Submissions
1	Visit to special school	Special school	Study the infrastructure available in a special school for the children	18 Any 3 schools	10	Report including reflections
2	Identification of disability characteristics & its implications		Study the summary report of the evaluation carried out on any two children & study its implications in terms of educational placement	18	20	
3	Classroom teaching observation		Observe the teaching of children in any one special classroom and write reflections	24	20	
TOTAL				60	50	

E 2: Disability Specialisation (ASD)

Note: Schedule for practical for E-1 shall be included in the time table (minimum ten working days may be allocated). Skill for Micro teaching shall be selected with reference to Major Disability (minimum 5 skills)

Semester - II Credits: 05 Hours: 150 Marks: 125

S.No.	Tasks for the Teacher Trainees	Disability Focus	Education Setting	Description	Hours	Marks
1	Classroom observation	ASD	Inclusive school	Observation of all subjects at different levels, minimum 50 school Periods.	40	40
2	a. Micro teaching & simulated lessons on selected skills	General	Institute	5 lessons	30	20
	b. Simulated lessons with integration of Micro skills	General	Institute	5 lessons	25	20
3	a. Lesson planning with respect to micro skills for selected subjects	General	For Special school / Inclusive Set up	10 lessons	30	20
	b. Lesson planning focussing on adaptation and differentiation	ASD	Inclusive Set up	10 lessons	25	25
Total					150	125

E 2: Disability Specialization (ASD)

Semester - III

Credits: 04

Hours: 120

Marks: 100

S.No.	Tasks for the Teacher Trainees	Disability Focus	Education Setting	Description	Hours	Marks
1	a. Case study observation	ASD	Special School	Minimum 30 school Periods	15	10
	b. Visit to other special schools	ASD	Special School	Minimum 2 schools	10	10
2	a. Practice teaching on different levels for all subjects	ASD	Special School/ Resource Room	10 lessons	30	20
	b. Practice teaching on different levels for selected subjects	ASD	Special School/ Resource Room	10 lessons (5 language +5 subject)	30	20
3	Case study: planning and implementation of IEP	ASD	Special School/ Resource Room	20 lessons minimum	30	30
4	Observation of support services	ASD	Institute/ Clinic	Depending on the specialization	5	10
Total					120	100

F1- Disability Specialization

Semester-III Credits: 03 Hours: 90 Marks: 75

S.No.	Tasks for the Teacher Trainees	Disability Focus	Educational Setting	Description	Hours	Marks
1	A) development of social story (minimum 5)	ASD	Special school/ inclusive school for disability specialisation		15	15
	B) Teaching of social stories			Minimum 10 lessons	5	20
	C) Adapt a selected unit of a school Subject (lower level)			Minimum 1 chapter	35	20
	D) Adapt a selected unit of a school Subject (Higher level)			Minimum 1 chapter	35	20

E 1 Cross Disability & Inclusion (Other Disability)

Note: Practical timing shall be included in time table (minimum of four week)

If schools for other disability are not available in the nearby area, the same may be interpreted as observation at Inclusive school/ education/services being provided in the resource room/ home based education or vice versa with other disability

Semester - IV

Credits: 04

Hours: 120

Marks: 100

S.No .	Tasks for the Teacher Trainees	Disability Focus	Education Setting	Description	Hours	Marks
1	Community work / Tour	community perspective	rural / semi-urban	Visit report	30	20
2	Collaborative teaching	Any Disability	Resource Room/ home based / Inclusive Schools	10 lessons	20	20
3	Case study 2 (individualised)	Other than Major disability	Special schools for other disabilities/ Resource Room/ inclusive schools/ home based	20 lessons	60	40
4	Group Teaching lessons (selected subject)	Any Disability	Inclusive Schools	10 lessons (5+5)	10	20
Total					120	100

F2- Special School (Other Disability)

Semester - IV

Credits: 04

Hours: 90

Marks: 100

S.No.	Tasks for the Teacher Trainees	Disability Focus	Educational setting	Description	Hours	Marks
1	1) Development of adaptive devices / teaching learning material for any disability other than ASD	Other than Major disability	Special schools for other disabilities	Minimum of 4 devices / aids	70	80
2	2) Lessons using adaptive devices			10 lessons	20	20

F3- Inclusive School

Semester - IV

Credits: 04

Hours: 120

Marks: 100

S.No.	Tasks for the Teacher Trainees	Disability Focus	Educational Setting	Description	Hours	Marks
1	Internship 1	Any Disability	Inclusive School	Function as classroom teacher Submit report	40	40
2	Internship 2	ASD	Special school/ resource room	Function as classroom teacher Submit report	80	60
	Total				120	100

