

**M. Phil. SPECIAL EDUCATION
AND REHABILITATION SCIENCES
PROGRAMME**

**SYLLABUS
(With effect from 2016 admission)**



**SCHOOL OF BEHAVIOURAL SCIENCES
MAHATMA GANDHI UNIVERSITY
PRIYADARSINI HILLS
KOTTAYAM**

SEMESTER I

Credit: 04, Contact Hours: 90, Marks: 100

SBEPDIC1601: Research Methodology and Statistics

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

1. Develop understanding on various descriptive research methods.
2. Develop understanding on various experimental research methods.
3. Develop understanding on different types of epidemiological research.
4. Apply various parametric and non parametric tests in the analysis of data..

Syllabus

1. Descriptive Research

- 1.1. Definition, Characteristics, purpose and types
- 1.2. Survey research and observational research
- 1.3. Developmental studies, case studies and ex-post facto studies
- 1.4. Causal-comparative and Correlational studies
- 1.5. Test standardization procedures

2. Experimental Research

- 2.1. Definition, Characteristics, Purpose, Principles and Types
- 2.2. Pre-experimental, True-experimental and Quasi-experimental designs
- 2.3. Factorial Designs
- 2.4. Single Subject Designs
- 2.5. Methods of establishing reliability and validity

3. Epidemiological Research

- 3.1. Definition, Characteristics, Purpose and types
- 3.2. Incidence and prevalence: Prospective and retrospective studies
- 3.3. Specific and Adjusted rates
- 3.4. Life table techniques
- 3.5. Cohort and case control studies: Odds ratio

4. Review of descriptive statistics

- 4.1. Review of measures of central tendency and dispersion
- 4.2. Review of measures of relationship: product moment and rank correlation
- 4.3. Special measures of correlation: biserial, point biserial, tetrachoric and phi coefficient
- 4.4. Partial and Multiple correlations
- 4.5. Regression and multiple regressions

5. Inferential Statistics

- 5.1. Parametric tests: Z-tests, 't' tests and analysis of variance tests
- 5.2. Analysis of Covariance and Multivariate analysis of variance
- 5.3. Concept and uses of Factor analysis, Cluster analysis and Discriminant function analysis
- 5.4. Non parametric tests: Chi-square tests, Mann-Whitney 'U' test and Kruskal-Wallis test
- 5.5. Post hoc tests: LSD, Tukey's HSD, Scheffe and Protected 't' test

Activities

1. Prepare a research proposal on a topic of your interest and submit.
2. Make design for an experimental research after selecting a suitable research problem.
3. Collect data from any sources and do statistical analysis by using measures of central tendency and 't' tests in computer.

References

1. Agarwal, A.N. (2002). Quantitative Methods. Vrinda Publishing, New Delhi.
2. Aron, A., and Aron, E. N. (1994). Statistics for Psychology. Prentice Hall, New Jersey.
3. Belle, G., Fisher, L. D., Heagerty, P. J., and Lumley, T. (2004). Biostatistics (2nd edn.). John Wiley & Sons, Inc., Washington.
4. Berg, B.L., & Lune, H. (2011). Qualitative Research Methods for the Social Sciences. Pearson Publication, Boston.
5. Best, J.W., and Kahn, J.V, (1992). Research in Education. Prentice – Hall of india Pvt. Ltd., New Delhi.
6. Bhatnagar, R.P., and Bhatnagar, P.R. (1989). Experimental Designs of research in Behavioural Sciences. Rajhans Agencies, Meerut.
7. Bogdan, R. C., & Biklen, S. K. (2007). Qualitative research for education: An introduction to theory and methods (5th ed). Pearson, Boston.
8. Borg, W. R., and Gall, M. D. (1989). Educational Research (5th edn.). Longman, New York.
9. Brace, N., Kemp, R., and Snelgar, R. (2003). SPSS for Psychologists (2nd edn.). Palgrave, New York.

10. Chawla, D & Sandhi, N (2011) *Research Methodology concepts and cases*. Vikas publishing House New Delhi.
11. Christenson, L.B.(1988). *Experimental Methodology* (4th edn.).Allyn and Bacon Inc., Boston.
12. Cough, J. V. (1982). *Fundamentals of Statistics for the Behavioural Sciences*. St. Martin's Press, New York.
13. Freed, M. N., Ryan, J. M., and Hess, R. K. (1991). *Handbook of Statistical Procedures and their Computer Applications to Education and the Behavioural Sciences*. Macmillan Publishing Co., New York.
14. Garrett, H. E.(1996). *Statistics in Psychology and Education*. Vakils, Feffer and Simons Ltd., Bombay.
15. Gay, L.R. (1990). *Educational Research* (3rd edn) Merrill Publishing Co., New York.
16. Gersten, R., Schiller E.P, Vaughn, S. (2000) *Contemporary Special Education Research – Syntheses of the knowledge base on critical Instructional issues* Lawrence Erlbaum Associates U.S.A.
17. Good V.C (2008) *Introduction to Educational research Methodology of Design in the Behavioural and Social Sciences* (2nd edn) Surjeet Publication New Delhi.
18. Guilford, J. P., and Frutcher, B. (1985). *Fundamental Statistics in Psychology and Education* (6th edn.). McGraw Hill Book Co., New Delhi.
19. Kaul, L. (1996). *Methods in Educational Research*. Vikas Publishing House, New Delhi.
20. Kerlinger, F.N. (1983). *Foundations of Behavioural Research* (2nd edn.). Surjeet Publications, Delhi.
21. Kothari, C.R. (2006). *Research in Methodology, methods and techniques*. (2nd edn.) New Age International pvt.Ltd., New Delhi.
22. Lal Das, D.K. (2000). *Practice of Social Research*. Rawat Publications, New Delhi.
23. Langenbach, M., Naughn, C., and Aagaard, L. (1988). *An introduction to Educational Research*. Allyn and Bacon, New York.
24. Lehman, R. S. (1991). *Statistics and Research Design in the Behavioural Sciences*. Wadsworth Publishing Co., California.
25. Lipsey, M.W. (1990). *Design Sensitivity: Statistical Power for Experimental Research*. Sage Publications, Newbury Park, CA.
26. Mahajan, B. K. (1991). *Methods in Biostatistics* (5th edn.). Jaypee Brothers, New Delhi.

27. Mason, E.J., and Bramble, W.J. (1989). Understanding and conducting, Research (2nd edn.) McGraw- Hill Book Co., New York.
28. Pande,G.C. (1989). Research Methodology in Social Sciences. Anmol Publications, New delhi.
29. Paneer Selvam, R.(2004) Research Methodology. Prentice Hall New Delhi.
30. Pannerselvam, R. (2005). Research in Methodology. Prentice – Hall of India Pvt. Ltd., New Delhi.
31. Park, K. (2009). Park’s Textbook of Preventive and Social Medicine (20th edn.). M/s. Banarsidas Bhanot Publishers, Jabalpur.
32. Reddy, C.R. (1987). Research Methodology in Social Sciences. Daya Publishing House, Delhi.
33. Rosnow R.L., Rosenthal R. (2002) Beginning Behavioural Research – A conceptual Primer (4th edn) Prentice hall U.S.A.
34. Silverman, D.(2012). Qualitative Research. Sage Publication, London
35. Singh, A. K. (2004).Tests Measurement and Research Methods in Behavioural Science. Tata McGraw-Hill Publishing, New Delhi.
36. Sukhia, S.P., Mehrotra, P.V., and Mehrotra, R.N.(1981). Elements of educational Research. Allied publishers pvt. Ltd., New Delhi.

SEMESTER I
Credit: 04, Contact Hours: 90, Marks: 100
SBEPDIC1602: Disabilities

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

1. Develop in-depth knowledge regarding various disabilities.
2. Identify preventive measures at primary, secondary and tertiary levels.
3. Develop greater level understanding on the issues related of rehabilitation of persons with disabilities.
4. Develop positive attitude towards persons with disabilities in clinical situations.
5. Develop a favourable attitude towards working in a team of rehabilitation professionals.

Syllabus

1. Locomotor Disabilities

- 1.1 Locomotor Disability – concepts, causes, concerns and types
- 1.2 Assessment of locomotor disabilities
- 1.3 Prevention/rehabilitation interventions in disabilities associated with cerebral palsy, muscular dystrophy, dwarfism, leprosy, and acid attack victims
- 1.4 Assistive devices for persons with locomotor disabilities
- 1.5 Issues in rehabilitation

2. Visual Impairment

- 2.1 Assessment of eye
- 2.2 Causes and types of visual impairment
- 2.3 Recent trends in prevention of blindness and low vision and rehabilitation of persons with visual impairment
- 2.4 National programmes for prevention of blindness
- 2.5 Review of research on prevention of blindness

3. Hearing Impairment

- 3.1 Assessment of hearing
- 3.2 Causes and types of hearing impairment
- 3.3 Deafness and Hard of Hearing – definitions, concepts and practices in prevention and rehabilitation
- 3.4 Hearing aids and recent advances in rehabilitation of persons with hearing impairment
- 3.5 Speech and language disability – concepts, causes, types and rehabilitation interventions

4. Intellectual Disability

- 4.1 Assessment of intelligence
- 4.2 Causes and types of intellectual disability
- 4.3 Health care issues among persons with intellectual disability
- 4.4 Challenges, issues and scope of rehabilitation of persons with intellectual disability
- 4.5 Specific Learning Disabilities and Autism Spectrum Disorder – concepts, definitions, types and issues in rehabilitation

5. Mental Illness

- 5.1 Epidemiology and significance
- 5.2 Causes, types and management
- 5.3 Issues and challenges in mental health care
- 5.4 Rehabilitation of persons with mental illness
- 5.5 National Mental Health Programme and Mental health Act, 1987

6. Other Disability Conditions

- 6.1 Disability Caused due to: Chronic and terminal illness – meaning, significance, and issues in rehabilitation
- 6.2 Disability Caused due to: Chronic neurological conditions such as Multiple Sclerosis and Parkinson's disease

- 6.3 Disability Caused due to: Blood Disorders such as Haemophilia, Thalassaemia, and Sickle Cell Disease
- 6.4 Multiple Disabilities – concept, definition, types, and issues in Rehabilitation
- 6.5 Disability related legislations in India

Activities

1. Case study from any disability area
2. Field visit to special schools for children with various disabilities
3. Placement in Early Intervention Centre
4. Visit to National Institutes for the empowerment of persons with disabilities
5. Placement in Child Development Centres/Physical Medicine and Rehabilitation units

References

1. D'Andrea,F.M., & Wormsley,D.P.(1997). Instructional strategies for Braille literacy. New York, NY: American Foundation for the Blind.
2. Hill,E.W.,& Ponder,P.(1976).Orientation and mobility techniques: A guide for the practitioner. New York, NY: American Foundation for the Blind.
3. Jangira, N.K (1990). Integrated education for visually handicapped: Management perspective. Haryana: The Academic Press.
4. Lueck,A.H., & Dutton,G.N.(2015). Vision and the brain: Understanding cerebral visual impairment in children. New York, NY: AFB Press.
5. Mukhopadhyay, S. (1970).Source book for training teachers of visually impaired. New Delhi: NCERT.
6. Presley, I., & D'Andrea, F.M. (2009).Assistive technology for students who are blind or visually impaired: A Guide to Assessment. New York, NY: American Foundation for the Blind.
7. Reddy, G.L., Ramar, R., & Kusuma, A. (2000). Education of children with special needs. New Delhi: Discovery.

8. Schwartz, S. (2009). *Visual perception: A clinical orientation* (4th ed.).New York, NY: McGraw-Hill Education.
9. Spungin, S. (2002).When you have a visually impaired student in your classroom: A guide for teachers. New York, NY: American Foundation for the Blind.
10. World Health Organization (1993). Management of low vision in children. Geneva: Author.
11. World Health Organization (1997). Global initiatives for the elimination of avoidance blindness. Geneva: Author.
- 12.Ransa Sayee R (2006) Fundamentals of hearing, hearing impairment and audiological management. Kanishka Publishers (I edition) New Delhi.
- 13.Ysseldyke J.E and Algozzine B (2005) Special Education – A Practical Approach for Teachers, New Delhi, Kanishka Publishers and Distributers.
- 14.Martin F.N (1991), Introduction to Audiology (Edition IV) Englewood Cliffs, N.7 Prentic Hall
- 15.Northern J.L., and Down, M.P. (1997) Hearing in children(ed.) Baltimore: Williams, and Wilkems.
- 16.Sanders, D.A (1993). Management of Hearing Handicap. Implants to Elderly, New Jersey, Prentice Hall.ine.
- 17.Sharma, P. L., and Jangira, N. K. (1987) Source Book. Training Teachers of Hearing impaired, NCERT, New Delhi.
- 18.Silver, A.A., & Hagin, R.A. (2002). Disorders of learning in childhood. USA: John Wiley & Sons, Inc.
- 19.Singh, V.P. (2004). Concepts and Methods of Special Education. New Delhi: Sarup & Sons.
- 20.Florian, L. (2007). The Sage Hand Book of Special Education. New Delhi: Sage Publications.
- 21.Sukumaran, P.S. (2015). Parental Involvement in the Education of Mentally Handicapped Children (3rd reprint). New Delhi: Discovery Publishing House.
22. Smith, D.D., & Luckasson, R. (1995). Introduction to Special Education – Teaching in an Age of Challenge. Boston: Allyn and Bacon.
- 23.Repp, A.C. (1983). Teaching the Mentally Retarded. USA: Prentice –

- Hall, Inc.
24. Madhavan, T., Kalyan, M., Naidu, S., Peshawaria, R., & Narayan, J. (2006). *Mental retardation – A Manual for Psychologists*. Secunderabad: NIMH.
 25. Devinsky, O., & Brook, L.W. (2002). *Epilepsy and Developmental Disabilities*. Boston: Butterworth Heinemann.
 26. Reynolds, C.R., & Mann, L. (Eds). (1987). *Encyclopedia of Special Education*. USA: John Wiley & Sons.
 27. Dash, M. (2000). *Education of Exceptional Children*. New Delhi: Atlantic Publishing and Distributors.
 28. Panda, K.C. (2002). *Education of Exceptional Children*. New Delhi: Vikas Publishing House Pvt. Ltd.
 29. Peshawaria, R., & Venkatesan, S. (1992). *Behavioural Assessment Scales for Indian Children with Mental Retardation*. Secunderabad: NIMH.
 30. Abbeduto, L. (Ed). (2003). *Language and Communication in Mental Retardation*. Academic Press, New York.
 31. Peshawaria, R., Menon, D. K., Ganguly, R., Roy, S., Pillay, R. P. R. S., Gupta, A., & Hora, R. K. (2007). *Moving Forward – An Information Guide for Parents of Children with Mental Retardation*. Secunderabad: NIMH.
 32. Persha, A. J., & Sheilaja Rao, V. R. P. (2003). *Early Intervention to IUGR Children at Risk for Developmental Delays*. Secunderabad: NIMH.
 33. Persha, A. J., Sivakumar, T. C., Narayan, J., & Kari, M. L. (2008). *RAPID – Reaching and Programming for Identification of Disabilities*.

Secunderabad: NIMH.

34. Patton J.R., Smith M.B. and Payne J.S. (1990) (Edn). *Mental Retardation* (3rd Edn). Maxwell Macmillan International Publishing Group, New York.
35. Myreddi, V., Narayan, J., Manogna, S., Sumalini, K., Arati, M., & Padma, V. (2007). *Teaching Students with Profound Mental Retardation*. NIMH, Secunderabad.
36. Narayan, J., & Thressiakutty, A. T. (2007). *Handbook for the Trainers of the Persons with Mental Retardation – Pre primary Level*. NIMH, Secunderabad.
37. Peshawaria, R., Menon, D. K., Ganguly, R., Roy, S., Pillay, R. P. R. S., & Gupta, A. (1995). *Understanding Indian Families having Persons with Mental Retardation*. NIMH, Secunderabad.
38. Mohapatra, C. S. (Ed). (2004). *Disability Management in India – Challenges and Commitments*. NIMH, Secunderabad.
39. Subba Rao, T. A. (2006). *Manual on Developing Communication Skills in Persons with Mental Retardation*. NIMH, Secunderabad.
40. Persha, A. J., & Sheilaja Rao, V. R. P. (2003). *Early Intervention to IUGR Children at Risk for Developmental Delays*. NIMH, Secunderabad.
41. Silver, A.A., & Hagin, R.A. (2002). *Disorders of learning in childhood*. USA: John Wiley & Sons, Inc.
42. Devinsky, O., & Brook, L.W. (2002). *Epilepsy and Developmental Disabilities*. Boston: Butterworth Heinemann.
43. Sadock, B. j., & Kaplan, (2003). *Synopsis of Psychiatry*. New Delhi: Lipincott Williams & Wilkins.
44. Partner, D. (2001). *Disorders First Diagnosed in Childhood*. Philadelphia: Chelsea House Publishers.

SEMESTER I

Credit: 04, Contact Hours: 90, Marks: 100

SBEPDIC1603: Rehabilitation

Objectives: On completion of the course the students develop:

1. Greater understanding of the concept and importance of rehabilitation of persons with disabilities.
2. Greater awareness of rehabilitation services.
3. Skill to organize a rehabilitation unit for effective intervention for the disabled and disadvantaged groups.

Course Content

1. Review of the concepts of impairment, disability, handicap, habilitation and rehabilitation.
2. Types of rehabilitation: Institution based rehabilitation: Sheltered homes/workshops, Reformation centres – merits and demerits.
Community Based Rehabilitation – merits and demerits.
Role of family, mother/parents and community.
Disabled and competitive employment.
Rights and legal aspects of disability and social benefits.
3. Rehabilitation Services
Educational, Psychological, Medical, Nursing, and Vocational.
Rehabilitation of the persons with: Visual disability, Speech and hearing problems, Orthopaedic disabilities, Cerebral palsy, Autism Spectrum Disorders, Learning disabilities, Intellectual disability, Chronic and terminal illness, Geriatric problems, Mental illness, Cultural disadvantage, Leprosy,
4. Role of Technology in Rehabilitation: Architectural barriers in rehabilitation, Access and barriers, Public education, media communication skills, principles of planning, teaching aids and mass media.
5. Organization of a Rehabilitation Unit: Organization and administration of rehabilitation unit, staff pattern, resource utilization.
Organizational challenges, problems and issues in disability research.
Schemes and projects of national and international agencies.

Activities:

References

1. Azad, Y. A. (1996). Project Integrated Education for the Disabled: Handbook. NCERT, New Delhi.
2. Banerjee, G. (2002). Legal Rights of the Disabled. Rehabilitation Council of India, New Delhi.
3. Department of Education (1986). National Policy on Education, 1986. Ministry of Human Resource Development, Government of India, New Delhi.
4. Department of Education (1992). Revised Programme of Action, 1992. Ministry of Human Resource Development, Government of India, New Delhi.
5. Government of India (1988). The Mental Health Act, 1987. Ministry of Health and Family Welfare, New Delhi.
6. Government of India (1992). Scheme of Integrated Education for the Disabled Children. Ministry of Human Resource Development, Government of India, New Delhi.
7. Government of India (1993). The Rehabilitation Council of India Act, 1992. Ministry of Welfare, New Delhi.
8. Government of India (1996). The Persons with Disabilities (Equal opportunities, Protection of Rights and Full Participation) Act, 1995. Ministry of Social Justice and Empowerment, Government of India, New Delhi.
9. Government of India (2000). The National Trust for the Welfare of Persons with Autism, Cerebral Palsy, Mental Retardation and Multiple Disabilities Act, 1999. Ministry of Social Justice and Empowerment, Government of India, New Delhi.
10. Government of India (2009). Right to Education Act, 2009. Ministry of Human Resource Development, Government of India, New Delhi.
11. Government of India (2016). Rights of Persons with Disabilities Act, 2016. Ministry of Human Resource Development, Government of India, New Delhi.

12. ILO (1982). Community Based Rehabilitation services for the Rural Disabled. International Labour Organization, Geneva.
13. M. K. Jayaraj Commission Report (2013). Report of the Comprehensive Study on the Mentally Challenged People of Kerala State. State Institute for the Mentally Challenged, Thiruvananthapuram.
14. Mohapatra, C.S. (Ed.). (2004). Disability Management in India – Challenges and Commitments. NIMH, Secunderabad.
15. National Sample Survey Organization (2003). A Report on Disabled Persons: Fifty Eighth Rounds, NSSO, New Delhi.
16. NIMH (2002). Biwako Millennium Framework for Action towards an Inclusive, Barrier-free and Rights Based Society for Persons with Disabilities in Asia and the Pacific (2002). UNESCAP document printed and supplied by NIMH, Secunderabad.
17. Pandey, R. S., & Advani, L. (1995). Perspectives in Disability and Rehabilitation. Vikas Publishing House, New Delhi.
18. Rehabilitation Council of India (2007). Status of Disability in India. RCI Publication, New Delhi.
19. Singh, J.P., & Dash, M.K. (2014). Disability Development in India. Rehabilitation Council of India, New Delhi in association with Kanishka Publishers, Distributors, New Delhi.
20. UNESCO (1990). The Salamanca Statement and Framework on Special Needs Education. UNESCO, Paris.
21. UNESCO (1993). The Standard Rules on the Equalization of Opportunities for Disabled Persons. Author, Paris.
22. UNESCO (1994). World Conference on Special Needs Education: Access and Equality. Salamanca, Spain, June 7 -10. Author, Paris.
23. UNESCO (1996). Legislation pertaining to Special Needs Education. Author, Paris.
24. UNESCO (2000). Inclusion in Education: The Participation of Disabled Learners: Education for All by 2000. UNESCO Convention against Discrimination in Education (1960). Adopted by the General Conference at its eleventh session, Paris, 14 December 1960.
25. Verma, R. K. R., & Verma, P. (2014). Disability Perspective in Rehabilitation – National and International Scenario. Kanishka Publishers, Distributors, New Delhi.

26. World Declaration of Education for All (1990). Basic Learning Needs. Adopted by the World Conference on Education for All. Meeting Basic Learning Needs. Jomtien, Thailand, 5-9 March 1990.
27. NIMH (1990). Vocational Training and employment of persons with mental retardation. NIMH, Secunderabad.
28. Rostron A, and Sewell, D., Micro Technology in Special Education, Croom Helm, London.
29. Gokhale S.D. (1984) Rehabilitation policies and Programmes. Somaiya Pub.
30. Sullivan, S., & Schmitz, T. (2001). Physical Rehabilitation. New Delhi: Jaypee Brothers.
31. Randall, B. (2007). Physical Medicine and Rehabilitation. Philadelphia: Elsevier.
32. Oxford University (2009). [*Volunteers in Hospice and Palliative Care: a handbook for volunteer service managers.*](#) Oxford: Oxford University Press.
33. Doyle, D., & Jeffrey, D. (2000). [*The Oxford Textbook of Palliative Medicine.*](#) (3rd Edition). Oxford: Oxford University Press.
34. Goldman, A. (1998). [*Handbook of Palliative Care.*](#) London: Blackwell Science.
35. Ellershaw, J., & Wilkinson, S. (2003). [*Palliative Care in the Home.*](#) Oxford: Oxford University Press.
36. Miesen, B., & Jones, G. (2006). Care giving in Dementia –Research and Applications. New York: Routledge Taylor & Francis Group.
37. Jacques, A., & Jackson, G. (2000). Understanding Dementia. London: Churchill Livingstone Publication.
38. Sharma, O. P. (2008). Geriatric Care. New Delhi: Viva Books.
39. Berger, R. L., & Federico, R. C. (1982). Human Behaviour. New York: Longman.
39. Haynes, S. N., & O'Brien, W. H. (1999). Principles and Practices of Behavioural assessment. New York: Kluwer Academic/Plenum Publishers.

SEMESTER I

Credit: 04, Contact Hours: 90, Marks: 100

SBEPDIC1604: Trends and Issues in Special Education

Objectives: On completion of the course the students develop:

1. Greater understanding of the current trends and major issues in special education.
2. Ability to critically analyze the changing trends in special education.
3. Ability to analyze the major problems in special education.
4. Ability to suggest measures to solve the problems in the field of special education.

Course Content

1. Evolution of special education – different stages of attitudinal changes – current trends with special reference to India.
2. Trends and issues related to identification and assessment: behavioural, approaches, early identification techniques, special education assessment, functional assessment, and curriculum based assessment.
3. Educational intervention: trends and issues related to special education, integrated education, inclusive education, CBR and various other service delivery options, appropriateness in Indian context.
4. Role of family in special education: trends and issues.
5. Vocational training and placement: trends and issues related to training, facilities, attitude of parents, employers, community and government.
6. Trends and issues related to legislation: IDEA, 1990; RCI Act, 1992; PWD Act, 1995; and National Trust Act, 1999.
7. Benefits, concessions and services: problems and issues related to awareness, access and utilization.
8. Adults with disabilities: problems with respect to age, gender and associated handicaps.
9. Team approach in special education: problems and issues.
10. Research in special education: problems and issues.

Activities

References

1. Reddy, S. H. K., & Narayan, J. (2007). Research in Mental Retardation in India. NIMH, Secunderabad.
2. Thressiakutty, A. T., & Govinda Rao, L. (2004). Curriculum for Vocational Education. NIMH, Secunderabad.
3. Persha, A. J., & David, M. (2003). Manual for Preparation of Stimulation Materials for Rural Infants and Toddlers. NIMH, Secunderabad.
4. Nitnaware, R. C. (2006). Home Instructions on Physiotherapy in the field of Mental Retardation. NIMH, Secunderabad.
5. Thressiakutty, A. T., & Govinda Rao, L. (2001). Transition of Persons with Mental Retardation from School to Work – A Guide. NIMH, Secunderabad.
6. Nitnaware, R. C. (2006). Teaching and Training Materials on Physiotherapy in the Field of Mental Retardation. NIMH, Secunderabad.
7. Thressiakutty, A. T., & Govinda Rao, L. (2003). Hope Beyond Hope. NIMH, Secunderabad.
8. Sen, A. (1988). Psycho Social Integration of the Handicapped. Mittal Publications, Delhi.
9. Govinda Rao, L., Narayan, J., & Mani, M. N. G. (2005). Status of Education of Children with Disabilities. NIMH, Secunderabad.
10. Singh, V.P. (2004). Concepts and Methods of Special Education. New Delhi: Sarup & Sons.
11. Florian, L. (2007). The Sage Hand Book of Special Education. New Delhi: Sage Publications.
12. Sukumaran, P.S. (2015). Parental Involvement in the Education of Mentally Handicapped Children. New Delhi: Discovery Publishing House.
13. Mustaffa, K. M., & Jibin George (2016). Inclusive Education – Thought and Practice. New Delhi: IPH Publication.
14. Smith, D.D., & Luckasson, R. (1995). Introduction to Special Education – Teaching in an Age of Challenge. Boston: Allyn and Bacon.
15. Reddy, G.L., Ramar, R., & Kusuma, A. (1997). Slow Learners Their Psychology and Instruction. New Delhi: Discovery Publishing House.

16. Repp, A.C. (1983). *Teaching the Mentally Retarded*. USA: Prentice – Hall, Inc.
17. Madhavan, T., Kalyan, M., Naidu, S., Peshawaria, R., & Narayan, J. (1989). *Mental Retardation: A Manual for Psychologist*. Secunderabad: National Institute for the Mentally Handicapped.
18. Narayan, J. (2008). *Grade Level Assessment Device for Children with Learning Problems in Schools*. Secunderabad: NIMH.
19. Narayan, J. (Ed). (1999). *School Readiness for Children with Special Needs*. Secunderabad: NIMH.
20. Jayaraj, M.K. (2012). *M.K. Jayaraj Commission Report*. Thiruvananthapuram: State Institute for the Mentally Challenged.
21. Gargiulo, R. M. (2012). *Special education in Contemporary Society*. New Delhi: Sage.
22. Stainback, W. and Stainback S. (1992). *Controversial Issues Confronting Special Edn.*, Alind and Bacon, London.
23. Baker B.L. and Brightman A.J. (1995). *Steps to Independence (2nd Edn.)* Paul H. Brooks Publishing Co., London.
24. Pattnaik, S. N. (2010). *Special Education- Policies, Practices and Social Issues*. Murali Lal & Sons, New Delhi.
25. Gargiulo, R. M. (2012). *Special education in Contemporary Society*. Sage, New Delhi.
26. Rostron A, and Sewell, D, (1986) *Micro Technology in Special Education*, Croom Helan, London
27. Jerry C. (1991) *Hearing in Children 4th edn*, Northern and Martin Downs Wilkins, London.
28. NCERT (1986) *Source Book Training Teachers of hearing impaired*, NCERT, New Delhi.
29. Andrew Roston & Davic Scwell (1990). *Micro technology in special education*, Groom Helm, London
30. Alex Webstev. (1986) *Deafness development and literacy*, Mathaun, London.

SEMESTER II
Credit: 04, Contact Hours: 90, Marks: 100
SBEPDIIC1605: Practicals

Objectives: On completion of the course the students develop:

1. Ability to organize and conduct orientation programmes on special education related topics.
2. Ability to prepare research papers and present in seminars.
3. Awareness about the functioning of National institutes and the services available for the rehabilitation of the disabled.

Course Content

1. Organize and conduct one orientation programme each for parents and teachers of children with special needs. (20 x 2 = 40 marks)
2. Organize and conduct one community awareness generation programme on disabilities. (20 marks)
3. Prepare at least one research article on special education and present in seminar. (15 + 15 = 30 marks)
4. Visit to rehabilitation centres of national reputation. (10 marks)

References

1. Thressiakutty, A. T., & Govinda Rao, L. (2004). Curriculum for Vocational Education. NIMH, Secunderabad.
2. Persha, A. J., & David, M. (2003). Manual for Preparation of Stimulation Materials for Rural Infants and Toddlers. NIMH, Secunderabad.
3. Nitnaware, R. C. (2006). Home Instructions on Physiotherapy in the field of Mental Retardation. NIMH, Secunderabad.
4. Thressiakutty, A. T., & Govinda Rao, L. (2001). Transition of Persons with Mental Retardation from School to Work – A Guide. NIMH, Secunderabad.
5. Nitnaware, R. C. (2006). Teaching and Training Materials on Physiotherapy in the Field of Mental Retardation. NIMH, Secunderabad.
6. Thressiakutty, A. T., & Govinda Rao, L. (2003). Hope Beyond Hope. NIMH, Secunderabad.

7. Sen, A. (1988). *Psycho Social Integration of the Handicapped*. Mittal Publications, Delhi.
8. Govinda Rao, L., Narayan, J., & Mani, M. N. G. (2005). *Status of Education of Children with Disabilities*. NIMH, Secunderabad.
9. Madhavan, T., Kalyan, M., Naidu, S., Peshawaria, R., & Narayan, J. (1989). *Mental Retardation: A Manual for Psychologist*. Secunderabad: National Institute for the Mentally Handicapped.
10. Narayan, J. (2008). *Grade Level Assessment Device for Children with Learning Problems in Schools*. Secunderabad: NIMH.
11. Narayan, J. (Ed). (1999). *School Readiness for Children with Special Needs*. Secunderabad: NIMH.
12. Jayaraj, M.K. (2012). *M.K. Jayaraj Commission Report*. Thiruvananthapuram: State Institute for the Mentally Challenged.
13. Gargiulo, R. M. (2012). *Special education in Contemporary Society*. New Delhi: Sage.
14. Stainback, W. and Stainback S. (1992). *Controversial Issues Confronting Special Edn.*, Alind and Bacon, London.
15. Baker B.L. and Brightman A.J. (1995). *Steps to Independence (2nd Edn.)* Paul H. Brooks Publishing Co., London.
16. Pattnaik, S. N. (2010). *Special Education- Policies, Practices and Social Issues*. Murali Lal & Sons, New Delhi.
17. NCERT (1986) *Source Book Training Teachers of hearing impaired*, NCERT, New Delhi.
18. Alex Webstev. (1986) *Deafness development and literacy*, Mathaun, London.
19. Martin F.N (1991), *Introduction to Audiology (Edition IV)* Englewood Cliffs, N.7 Prentic Hall.
20. Peshawaria, R., and Venkatesan, S. (1992). *Behavioural Approach in Teaching Mentally Retarded Children. A manual for teachers*. Secunderabad: National Institute for the Mentally Handicapped.
21. Mittler, P. (Ed) (1978). *The Psychological Assessment of Mental and Physical Handicaps*. London: Tavistock Publications.

- 22.Reynolds C.R and Mann I (Eds) (1987). Encyclopedia of Special Education. Vol. 1,11,111, Johncoiley and Sons, Newyork.
- 23.Barraga, N. C. (1980). Sequences of visual development. Austin: University of Texas
- 24.Bhan, S., & Swarup, S. (2010). Functional skills inventory for the blind. Mumbai, India: National Association for the Blind.
- 25.Chen, [D](#). (2014). Essential elements in early intervention: Visual impairment and multiple disabilities (2nd ed.). New York, NY: AFB Press.
- 26.Corn, A.L., & Erin,J. N. (2010). Foundations of low vision: Clinical and functional perspectives (2nd ed.). New York, NY: AFB Press.
- 27.Lueck, [A](#). (2009) Functional vision: A practitioner's guide to evaluation and intervention. New York, NY: AFB Press
- 28.Mani, M.N.G. (2001). Reading preference test (REPT) for children with low vision. Coimbatore: International Human Resource Development Centre for the Disabled.
- 29.National Institute for the Visually Handicapped (1990). Handbook for teachers of the blind. Dehradun: NIVH.
- 30.Singh, T.B. (1986). A short scale I.Q measure for the visually handicapped. Dehradun: NIVH.
- 31.Bender, W. N. (1995) Identification and Teaching Strategies Learning Disabilities, characteristics, identification and coaching categories New York: Allyn and Bacon.
- 32.Kapur, M., John, A., Rozario, J, & Oommen, A. NIMHANS index of specific learning disabilities, Bangalore: NIMHANS
- 33.Venkateswarlu, D. (2005). Diagnosis and remediation of mathematical difficulties, New Delhi: Neel Kamal publications.
- 34.National Research Council (2002): Educating Children with Autism – National Academy Press, Washington
- 35.Alternative Treatments for Children Within (NTC Publishing Group, 1999). Anne Alvarez.
- 36.Stewart, J. C. (1986).Counseling parents of exceptional children. Columbus, OH: Charles E. Merrill.
- 37.Turnbull, A. P., and Turnbull, H. R.(1990). Families, professionals, and exceptionality: A special partnership. Columbus, OH: Charles E. Merrill.

SEMESTER II
Credit: 16, Contact Hours: One Semester, Marks: 400
SBEPDIIC1606: Dissertation

Objectives: On completion of the course students will develop:

1. The ability to develop a research proposal.
2. The ability to prepare and standardize tools of data collection.
3. The skills of sampling.
4. The skills in the administration of research tools.
5. The skills in analyzing data by using statistical packages.
6. The skills in the analysis and interpretation of results.
7. The skills in the testing of hypotheses and drawing conclusions.
8. The ability to derive implications of research findings.
9. The ability to organize the references as per APA format.

Dissertation will be compulsory for all students. The students will work under the guidance of a supervisor to be allotted by the Faculty Council, preferably the faculty member who handles the discipline. Students are expected to complete the dissertation work in four phases in second semester.

Phase 1: Synopsis Submission

In the first phase the students have to develop the Research proposal (Synopsis) and present the same in the Seminar at the beginning of the second semester.

Phase 2: Review of Literature and Development of Tools

During the course of second semester the students have to conduct review of literature and develop/select relevant tools for their research project. Students have to present a seminar on collected review of literature and tools developed in the research seminar and seek feedback and incorporate suggestions given by the faculty.

Phase 3: Data collection

In phase three, students must complete data collection and data analysis.

Phase 4: Data analysis, Results Discussion and Thesis Submission

In phase four students must complete data analysis, results and discussion and report writing and submit the final report at the end of second semester. In this stage students are to make a pre submission seminar also. The students have to submit three typed copies of Dissertation and a soft copy to the School by the end of IInd Semester. The viva-voce will be held on a date to be fixed by the Faculty Council. Dissertation will be evaluated by the external and internal examiners. The Viva voce will be conducted by the Board appointed for the same.

References

1. Agarwal, A.N. (2002). Quantitative Methods. Vrinda Publishing, New Delhi
2. Berg, B.L., & Lune, H. (2011). Qualitative Research Methods for the Social Sciences. Pearson Publication, Boston.
3. Best, J.W., and Kahn, J.V, (1992). Research in Education. Prentice – Hall of india Pvt. Ltd., New Delhi.
4. Bhatnagar, R.P., and Bhatnagar, P.R. (1989). Experimental Designs of research in Behavioural Sciences. Rajhans Agencies, Meerut.
5. Bogdan, R. C., & Biklen, S. K. (2007). Qualitative research for education: An introduction to theory and methods (5th ed). Pearson, Boston.
6. Chawla, D & Sandhi, N (2011) Research Methodology concepts and cases. Vikas publishing House New Delhi.
7. Christenson, L.B.(1988). Experimental Methodology(4th edn.).Allyn and Bacon Inc. , Boston.
8. Gay, L.R. (1990). Educational Research (3rd edn) Merrill Publishing Co., New York.
9. Gersten, R., Schiller E.P, Vaughn, S. (2000) Contemporary Special Education Research – Syntheses of the knowledge base on critical Instructional issues Lawrence Erlbaum Associates U.S.A.

10. Good V.C (2008) Introduction to Educational research Methodology of Design in the Behavioural and Social Sciences (2nd edn) Surjeet Publication New Delhi.
11. Kaul, L. (1996). Methods in Educational Research. Vikas Publishing House, New Delhi.
12. Kerlinger, F.N. (1983). Foundations of Behavioural Research (2nd edn.). Surjeet Publications, Delhi.
13. Kothari, c.R. (2006). Research in Methodology, methods and techniques. (2nd edn.) New Age International pvt.Ltd., New Delhi.
14. Lal Das, D.K. (2000). Practice of Social Research. Rawat Publications, New Delhi.
15. Langenbach, M., Naughn, C., and Aagaard, L. (1988). An introduction to Educational Research. Allyn and Bacon, New York.
16. Lipsey, M.W. (1990). Design Sensitivity: Statistical Power for Experimental Research. Sage Publications, Newbury Park, CA.
17. Mason, E.J., and Bramble, W.J. (1989). Understanding and conducting, Research (2nd edn.) McGraw- Hill Book Co., New York.
18. Pande, G.C. (1989). Research Methodology in Social Sciences. Anmol Publications, New delhi.
19. Paneer Selvam, R.(2004) Research Methodology. Prentice Hall New Delhi.
20. Pannerselvam, R. (2005). Research in Methodology. Prentice – Hall of India Pvt. Ltd., New Delhi.
21. Reddy, C.R. (1987). Research Methodology in Social Sciences. Daya Publishing House, Delhi.
22. Rosnow R.L., Rosenthal R. (2002) Beginning Behavioursl Research – A conceptual Primer (4th edn) Prentice hll U.S.A.
23. Silverman, D.(2012). Qualitative Research. Sage Publication, London
24. Singh, A. K. (2004). Tests Measurement and Research Methods in Behavioural Science. Tata McGraw-Hill Publishing, New Delhi.
25. Sukhia, S.P., Mehrotra, P.V., and Mehrotra, R.N.(1981). Elementsa of educational Research. Allied publishers pvt. Ltd., New Delhi.
26. Wang, Margaret C., & Reynolds , [Maynard C.](#) (1988). *Handbook of Special Education Research and Practice*, New York, NY; Pergamon Press.

SEMESTER II
Credit: 04, Marks: 100

SBEPDIIC1607: Viva-Voce

A comprehensive Viva-voce will be conducted after the valuation of dissertation. Each student is expected to present the summary of their research work before the Viva Board duly constituted by the University. Viva-voce will be based on the presentation of the synopsis, justification of the methodology, justification of the method employed for analyzing the data, presentation of conclusions, implications and suggestions.

Curriculum Revision Committee

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Mahatma Gandhi University
2. Dr. Sobha Bhat
Professor & Head
Department of Community Medicine
Medical College, Kottayam
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