

**M.phil Education Program
(As Per UGC Regulation, 2009)
CURRICULUM**

**SCHOOL OF EDUCATION
INSTITUTE OF ADVANCED STUDIED IN EDUCATION
(ACCREDITED WITH GRADE 'A' BY NAAC)
DEVI AHILYA VISHWAVIDYALAYA
INDORE
2013**

COURSE STRUCTURE : M.Phil EDUCATION
SEMESTER I : COURSES OF STUDY AND CREDITS

COURSE CODE	TITLE	CREDITS
701	REVIEW OF RELATED LITERATURE	6
703	RESEARCH METHODOLOGY	
	A. THEORY	4
	B. PRACTICAL/TECHNIQUES AND TOOLS	4
705	COMPUTER APPLICATION	4
707	ELECTIVE – I GUIDANCE AND COUNSELING/ MODELS OF TEACHING AND TEACHER EFFECTIVENESS	4
709	ELECTIVE – II EDUCATIONAL TECHNOLOGY/ QUALITATIVE RESEARCH IN EDUCATION COMPREHENSIVE VIVA-VOCE	4

	TOTAL	30

SEMESTER II : COURSES OF STUDY AND CREDITS

COURSE CODE	TITLE	CREDITS
702	SEMINAR	3
704	TERM PAPER/ASSIGNMENT	3
706	DISSERTATION / PROJECT	20
	COMPREHENSIVE VIVA VOCE	4

	TOTAL	30

M.Phil : SEMESTER - I

701: REVIEW OF RELATED LITERATURE

CREDITS: 6

OBJECTIVES:

- To acquaint students with scope and functions of review of research.
- To familiarize students with various steps of conducting a review of the literature.
- To acquaint students with use of various reference materials including online sources.
- To familiarize students with importance and purpose of reviewing the study.
- To help students in conducting a review of research on selected topics under the guidance of supervisor.
- To enable students in writing references in different formats.

CONTENTS:

UNIT I : Review of Research: Concept, need and Importance. The functions of review; a) Conceptual frame of reference, b) Status of research, c) Research Approach, Method, Instrumentation and Data Analysis, d) Probability of success and significance of findings, e) Stating the definitions, assumptions, limitations and hypotheses, f) Selection of Tools and Design.

UNIT II :Reference Materials: Using library; Card catalogue, library classification- Dewey decimal system of classification. Various Sources for conducting Review of Research: various Encyclopedias, Handbooks of research on teaching, Surveys of Educational research I-VI, ICSSR Research Survey of Psychology, & Sociology. Journals and Research Abstracts, Dictionaries of Education, Psychology, sociology & Philosophy, Yearbooks, Different abstracts of doctoral research of Association of Indian

Universities and Indian Educational Review NCERT New Delhi. First, Second and Third handbooks of psychological and social instruments,

UNIT III: Conducting a review of the literature; Listing key words, Checking preliminary sources, Reading and noting selected references.

UNIT IV : Preparing references using various styles namely, APA, Harward, MLAGPS at the time of review of literature.

SUGGESTED ACTIVITIES (ANY TWO)

- Conducting a review of research on selected topics under the guidance of supervisor.
- Preparing review of a thesis.
- Online search for review of literature.
- Preparing References for review of literature

REFERENCES

Abelson, H. H.: The Art of Educational Research. Yonkers: World Book Co., 1933.

Best, J. W.: Research in Education. U.S.A.: Prentice Hall Inc., Englewood Cliffs, 1963.

Bogradus, E. S.: Introduction to Social Research. Los Angeles: Suttouhouse, 1936.

Buros, O. K. (Ed.): Seventh Mental Measurement Year Book. Highland Park, NJ: Gryphon Press, 1972.

Champion, B. W.: Educational Assessment, Diagnosis, and Evaluation. In W.C. Adamson & K.K. Adamson (Eds.): A Handbook for Specific Learning Disabilities, pp. 107-143. New York: Gardner, 1989.

Festinger, L. and Katz, D.: Research Methods in Behavioral Sciences. New York: Halt Rinehart and Winston, 1953.

Gay, L. R.: Educational Research Competencies for Analysis and Application (Fifth Ed.). Merril, Prentice Hall, 1996.

- Good, C. V.: Essentials of Educational Research. New York: Appleton-century-crofts, 1972.
- Kerlinger, F. N.: Foundation of Behavioral Research. New Delhi: Surjeet Publication, 1978.
- Mcmillan, J. H.: Educational Research: Fundamentals for Consumer. New York: Harper Collins, 1996.
- Osgood, C. E.: The Nature and Meaning of Measurement. Psychol. Bull, 1952, 49, 197-237, pp 713-14.
- Pal, H. R.: Educational Research. Bhopal: M.P. Hindi Granth Academy, 2005.
- Pal, H. R. and Sharma, M.: Measurement/Assessment and Evaluation. Delhi: Shipra Publications, 2009.
- Sidman, M.: Tactics of Scientific Research. New York: Basic Books, 1960.
- Thronrdike, E. L. : Intelligence and its Measurement. Journal of Educational Psychology, 12, 1921, 124-127.
- Thronrdike, R.L. and Hangen, E.: Measurement and Evaluation in Psychology and Education. New York: John Wiley and Sons Inc., 1961.
- Thurstone, L. L.: The measurement of Social Attitude. J. Abnorm. Soc. Psychol., 1931, 26, 249-259.
- Underwood, B. J.: Psychological Research. New York: Appleton Century Crofts, 1957.

M.Phil : SEMESTER – I
703-A : RESEARCH METHODOLOGY- THEORY

CREDITS:4

OBJECTIVES

- To familiarize the students with the nature of science and the scientific method.
- To train the students to formulate and test the hypothesis.
- To familiarize the students with the process of scientifically drawing sample for research studies.
- To familiarize the students with the different pitfalls and errors in research.
- To train students into the design and conduct of Educational research.
- To acquaint the students with different types of experimental designs.
- To provide the students with an opportunity to acquire a sound background of Educational Research.

CONTENT

UNIT I: Educational Research: Concept, Scope. Issues, Concerns & Trends of Educational research. Scientific Approaches to knowledge: Essential characteristics of scientific Research, Qualitative and Quantitative Approaches. Variable and Scales: Nature, Types and their role in Educational Research.

UNIT II: Types and importance of hypothesis in Educational Research. Sampling: Population and Sample, Sampling Unit, Sampling Frame, Sampling Error and Bias, Probability and Non – Probability sampling methods.

UNIT III: Tools and Techniques of Research: Questionnaire, Interview Schedules, Rating Scales, Tests, Observation Schedules, Checklists, Inventories etc.

UNIT IV: Meaning and Purpose of Research Design, Experimental design, Definition, Validity, Different ways of control of Threats to Validity. Different types of Experimental Design – Pre Experimental Design, Quasi Experimental Design and True Experimental Design.

UNIT V: Types of Research Methods:- Descriptive Research: Survey Research, Ex-Post facto Research: Causal Comparative Research, Philosophical Research, Historical Research, Case Study Research. Research Report Writing Considerations.

SUGGESTED ACTIVITIES (ANY TWO)

- Conducting Case Study of an Institution.
- Review of report of a selected Research Study.
- Conducting interview of an Eminent Academician's .

REFERENCES

Ary, Donald, Jacobs, L.C. and Razavich Asgher: Introduction to research in Education. New York: Holt Rinehart and Winston, 1972.

Buch, M.B.: A Survey of Research in Education. Baroda, Center of Advanced Study in Education and Psychology, M.S. University of Baroda, 1974.

Buch, M.B.: Second Survey of Research in Education (1972-78). Baroda, Society for Educational Research and Development, 1979.

Buch, M.B.: Third Survey of Research in Education (1978-83). New Delhi: NCERT, 1986.

Buch, M.B.: Forth Survey of Research in Education (1983-88). New Delhi: NCERT, 1991.

Cocharan, W.G.: Sampling Techniques, New York: John Wiley, 1966.

- Cohen, L., Manion, L., Morrison, K.: Research Methods in Education. Routledge Falmer, New York, 2000.
- Cohen, M.R: Introduction to Logic and Scientific Method, London: Routledge and Kegan Paul, 1964.
- Cook, D.R.: A Guide to Educational Research. Boston: Allyn and Baven, Inc., 1965.
- Cooper, Donald R. and Schindler, Pamela S.: Business Research Method. New Delhi: Tata McGraw Hill Publishing Company Limited, 2006.
- Ebel, R.L.: Encyclopedia of Educational Research. London: Mcmillan Co., 1968.
- Edwards, A.L.: Experimental Design in Psychological Research. New Delhi: Amerind Publishing Co., 1953.
- Gage, N.L. (Ed.): Handbook of Research on Teaching. Chicago: Ran McNally and Co., 1963.
- Gay, L.R: Educational Research: Competencies for Analysis and Application. New Jersey: Merrill an imprint of Prentice Hall, 1996.
- Good, C.V.: Essential of Educational Research Methodology and Design. New York: Appleton Center Crofts, 1941.
- Harris, C.W.: Encyclopedia of Educational Research. New York: McMillan Co., 1960.
- Kerlinger, F.N.: Foundations of Behavioural Research. Delhi: Surjeet Publications, 1978.
- Mitzel, H.E.: Encyclopedia of Educational Research. Vol 1 to 5, New York: The Free Press, 1982.
- Mouly, G.J.: The Science of Educational Research. New Delhi: Euresia Publishing House Pvt. Ltd., 1964.
- Popper, K.R.: The Logic of Scientific Discovery. London: Routage and Kegan Paul, 1959.
- Sharma, A.K.: Fifth Survey of Research in Education (1988-92). New Delhi: NCERT, 1997.
- Sansanwal, D.N.: Sixth Survey of Research in Education (1992-2006). www.dauniv.ac.in, 2007.

Togerson, W.S.: Theory and Methods of Scaling. New York: Wiley, 1965.

Travrs, R.M.W.: Introduction to Educational Research, New York: McMillan Co., 1964.

Van Dalen, Debonald B. and Mayor, W.J.: Understanding Educational Research. London: McGraw Hill Book Co., 1966.

Vockell, E.L.: Educational Research. New York: McMillan Publishing Co., 1983.

M.Phil : SEMESTER – I

703- B: RESEARCH METHODOLOGY: PRACTICAL/TECHNIQUES & TOOLS

CREDITS : 4

OBJECTIVES

- To help student to understand of the nature of Qualitative and Quantitative data.
- To enable the students to develop Practical orientation involving selection of appropriate data analysis techniques.
- To familiarize the student with validity issues in qualitative research.
- To familiarize the student with the theory, application & assumptions of one-way Analysis of Variance.
- To help the students understand differences between parametric & non parametric tests.
- To develop among students capacity for selecting appropriate statistical test for a given research situation.
- To familiarize students with some statistical tests for independent and correlated samples.
- To develop among students an understanding of two and K-sample non parametric tests for independent & related samples.
- To develop among students the skill of employing SPSS for data analysis related to the tests under consideration and interpreting output.

CONTENT

UNIT I: Nature of data: Qualitative and Quantitative. Analysis of qualitative data: Content Analysis, Inductive Analysis, Deductive Analysis and Narrative Episodes. Validity issues in Qualitative research - Credibility, Transferability, Dependability, Conformability, Triangulation, and Authenticity.

UNIT II: Analysis of Quantitative data: Testing of Hypothesis, Errors in Testing hypothesis, One Way Analysis of Variance, and Two Way analysis of Variance with equal and unequal cell size, One and Two way ANCOVA.

UNIT IV: Levels of Measurement , Difference between Parametric and Non-Parametric Tests, Advantages and Disadvantages of Parametric and Non-Parametric Tests, Choosing an appropriate Statistical Test, The Chi-square tests for one and K- Independent Samples

UNIT V: Wilcoxon Matched-Pair, Signed-Ranks Test, Mann-Whitney U-Test , Friedman Two-Way Analysis of Variance by Ranks and Kruskal-Wallis One-Way Analysis of Variance by Ranks.

SUGGESTED ACTIVITIES (ANY TWO)

Using SPSS for analysis of data related to above tests and interpreting output.

REFERENCES

- Aggrawal, Y. P: Statistical Methods: Concepts, Application and Computation. New Delhi: Sterling Publishing Private Limited,1990.
- Cooper, D. R. and Schindler, P. S: Business Research Methods. New Delhi: Tata McGraw Hill Publishing Company Limited,2006.
- Denzin, N. K., & Lincoln, Y. S. (Eds.): Handbook of qualitative research (2nded.). Thousand Oaks: Sage,2000.
- Denzin, N. & Lincoln, Y. (Eds.):Handbook of Qualitative Research. London: Sage Publications,1997.
- Filstead, W. J. (Ed): Qualitative Methodology: Firsthand Involvement with the Social World. Chicago: Markham Publishing Company,1970.

- Fox, D.J: The Research Process in Education. New York: Holt, Rinehart and Winston,1969.
- Gay, L.R.:Educational Research: Competencies for Analysis and Application. New Jersey: Merrill an imprint of Prentice Hall,1996.
- Hunter, J. E., Schmidt, F. L., & Jackson, G. B.: Meta-analysis: Cumulating research findings across studies. Beverly Hills: Sage,1982.
- Furlong, Nancy E. and Others: Research Methods and Statistics – An Integrated Approach. Fort Worth: Harcourt College Publishers, 2000.
- Freedman,D., Pisani,R. and Purves R.: Statistics (Fourth Edition), Viva Books, 2011.
- Freedman, D. A: Statistical Models Theory and Practice, Cambridge University Press, 2009.
- Garrett, H. E.: Statistics in Psychology and Education. Bombay: Vakils, Feffer and Simons Ltd,1981.
- George,D. and Mallery,P.: SPSS for Windows step by step, VJ Books Inc,1999.
- Guilford, J. P: Fundamental Statistics in Psychology and Education. Auckland: Mcgraw Hill International Book Company,1981.
- Healy, J.F: Statistics- A Tool for Social Research Belmont, C.A.Wadsworth publishing Company,1999.
- Husen, T. and Postlethwaite, T.N.: The International Encyclopaedia of Education (Vols. 1 to10) Research and studies. Britain: Pergaman Press,1985.
- Huizingh, E.: Applied Statistics with SPSS, Sage Publications, 2007.
- Johnson, Richard A. and Tsui, Kam-Wah: Statistical Reasoning and Methods. New York: John Wiley and Sons, INC, 1998.

Landau, S. and Everitt, B. S.: A Handbook of Statistical Analyses using SPSS, Chapman & Hall/ CRC Press Company, New York Washington D.C, 2004

Reddy, T. S. and Rao, P. B.: Research Methodology and Statistical Measurements. New Delhi: Reliance Publishing House, 1995.

Rout, S. K.: Educational Measurement Evaluation and Statistics, Navyug Publishers & Distributors, New Delhi, 2009.

Salkind, N. J.: Encyclopedia of Measurement and Statistics, vol. I, II, III, Sage Publications, New Delhi, 2007.

Siegel, S.: Non-Parametric Statistics for the Behavioral Science. New York: McGraw Hill, 1988.

Snedecor, G. W. & Cochran, W. G.: Statistics Methods. New Delhi: Oxford and IBH Publishing Co, 1968.

Sprinthall, Richard C.: Basic Statistical Analysis. New Jersey: Prentice Hall, 1990.

Verma, R.: Statistics Psychology and Education, Anmol Publications, New Delhi, 2003.

dkSy] ,y-% 'kSf{kd vuqla/kku ij ikB~;iqLrd- LVksfl;l bu
dkjiksjsVsM- ,MosUV
cqdfMohtu] ubZ fnYyh, 1985 -

dfiy] ,p- ds-% lkekftd foKkuksa esa lkaf[;dh ds ewy rRo- fouksn
iqLrd
eafnj] vkxjk, 1975-

WEBREFERENCES:

Introduction to Levels of measurement at
http://www.youtube.com/watch?v=B0ABvLa_u88

Level of Significance in Hypothesis Testing at
<http://www.youtube.com/watch?v=04jnZdrcw8w>

Hypothesis Testing (p-value method) at
<http://www.youtube.com/watch?v=cW16A7hXbTo>

Introduction to ANOVA at <http://www.youtube.com/watch?v=qV-WoquC4dA>

Example on One Way ANOVA at
<http://www.youtube.com/watch?v=51QZa7b0Ozk>

Testing of Hypothesis at <http://www.youtube.com/watch?v=P7C-Pf9QAX0>

Type I and II Error at http://www.youtube.com/watch?v=FHT6e_mdGoU

Chi-Square Test for Independence at
<http://www.statisticslectures.com/topics/testforindependence/#video>

Mann Whitney U Test at
<http://www.statisticslectures.com/topics/testforindependence/#video>

One Sample t-Test at
<http://www.statisticslectures.com/topics/onesamplet/>

Independent Samples t-Test at
<http://www.statisticslectures.com/topics/independentsamplet/> OR
<http://www.youtube.com/watch?v=jyoO4i8yUag>

Chi-Square Goodness-of-Fit Test at
<http://www.statisticslectures.com/topics/goodnessoffit/> or
<http://www.youtube.com/watch?v=CRyoXkxObsA>

Wilcoxon Signed-Ranks Test at
<http://www.statisticslectures.com/topics/wilcoxonsignedranks/>

M.Phil : SEMESTER – I

705 : COMPUTER APPLICATION

CREDITS : 4

OBJECTIVES

- To acquaint students with different parts of Computer System and their functions.
- To develop competency among students to use Online and Offline electronic resources.
- To acquaint students with the facilities available on internet.
- To train the students in handling MS-Word and MS-Excel.
- To help students to explore the environment of WINDOW-Operating System.
- To acquaint students with the Terminology and Configuration of Computers.

CONTENTS:

UNIT I: Introduction to Computer System: Parts of Computer and their functions, , Input and Output Devices used in Research Process, Memory , Modern Components of different Hardware like laptop, tablet , smart Mobiles.

UNIT II: MS Word: Different Menus – File, Edit, View, Insert, Format, Tools, Window and Help: their uses. Saving, Closing, Opening, an Existing Document ,Selecting text, Editing text, Finding and Replacing text, Printing, Character and Paragraph Formatting, Page Design and Lay Out, Note Pad, One Note Calculator, Dictionary and Paint Brush.

UNIT III: MS EXCEL: Creating Worksheet , Preparation and Knowledge of Package in context of Educational Research.

UNIT VI: Presentation Package: Creating, Opening and Saving Presentation, Working in different Views, Working with Slides, Adding and Formatting Text , Graphics, Animation, audio Images, Video Survey and Text, Making Notes, Pages and Handouts, designing Slides shows , Running and controlling presentation, Printing Presentations.

UNIT V: Use of Web Based Instruction: Designing Advantages and Limitations. Use of Educational Software and CD's. Use of Computers in Library, Administration, Guidance , Internet: Meaning, Online Surfing, Use of e-mail, Chat. Use of Search Engines. World Wide Web - Access information, reliability of information. Web Page and Home Page, Use of Internet in Research Process. Down loading Information.

SUGGESTED ACTIVITIES (ANY TWO)

- MS-WORD related work Useful in Research Paper writing ,
- Use of different Options available in MS-EXCEL for Educational Research,
- Preparation of a POWER POINT presentation,
- Surfing of a topic on INTERNET .

REFERENCES

Harvest, Douglas: Excel 4 for Windows – Instant Reference. Singapore; Tech Publications PTE Ltd., 1992.

Hillman, David: Multimedia Technology and Applications. New York: Delmar Publishers, 1998.

Matthews, Martin: Windows 95 Power Tools: New York: Random House Electronic Publishing, 1995.

Minasi, Mark, Christiansen, Eric & Shapar, Kristina: Expert Guide to Windows 98. San Francisco: Sybex, 1998.

Nagpal, D.P.: Computer Course. New Delhi: Wheeler Publishing, 2001.

- Oberlin, S.K., Kervran, P. & Cox, J.: A Quick Course in Windows 3.1. Delhi: Jaico Publishing House, 1993.
- Rajaraman, V.: Fundamentals of Computers. New Delhi: Prentice Hall of India Pvt. Ltd., 1997.
- Rathbone, Andy; Windows for Dummies. Delhi: Pustak Mahal, 1993.
- Ray, John: Special Edition Using Microsoft TCP/IP New Delhi: Prentice Hall of India Pvt. Ltd., 1997.
- Sanders, Donald H.: Computers Today. New York: McGraw hill Book Co., 1988.
- Sansanwal, D.N.: Information Technology in Higher Education. University News, Vol. 38, No.46, 2000, pp 1-6.
- Sansanwal D.N. & Suri, S.: Computers in Psychological Testing. Journal of Educational and Psychology, Vol. 53, Nos. 1-2-3, 1996.
- Sinha, P.K.: Computer Fundamentals: Concepts, Systems and Applications. New Delhi: BPB Publications, 1992.
- Under Dahl, Brain & Under Dahl, Keith: Internet with Webpage/Web Site Design. New Delhi: IDG Books India (P) Ltd., 2000.

M.Phil : SEMESTER – I
707: GUIDANCE AND COUNSELLING

OBJECTIVES

CREDITS: 4

- To acquaint students with the meaning and scope of Guidance.
- To make them aware about current trends and issues in guidance and counseling.
- To acquaint students with meaning, nature, theories and techniques of Counselling.
- To familiarize students with Counselling Process.
- To sensitize them towards Ethical and Legal considerations involved in Counselling.
- To enable them to learn and apply the various types of Counselling strategies.
- To enable them to learn and apply Guidance techniques for Special Children.
- To make them familiar with Researches and Follow up studies in Counselling.

CONTENT:

UNIT I: Meaning, definition and scope of Guidance and Counselling, Theories of Counselling: Rational theory of Counselling, Learning theory, Psychoanalytic and Existential Approaches to Counselling.

UNIT II: Vocational Development and Educational Planning: Vocational Development , Vocational Maturity and Vocational adjustment, Dynamics of Vocational Development, Career Development Theories: Hollands

Personality theory, Psychodynamic theory, Cognitive and Social Learning theories.

UNIT III: Theories of Career Counselling :Trait and Factor Career Counselling, Counselor centered Counselling, Psychodynamic Career Counselling, Developmental Career Counselling and Behaviour Career Counselling.

UNIT IV: Counselling Process: Building a Counselling relationship, Working in Counselling Relationship and Termination of Counselling.

UNIT V:

- (a) Currents trends and issues in Counselling Evaluation,
- (b) Researches and follow-up in Counselling,
- (c) Ethical and Legal aspects of Counselling.

SUGGESTED ACTIVITIES (ANY TWO)

- Conselling of a child and report writing (Drug abused/Physically handicapped/Gifted)
- Assessment of Intelligence /Aptitude/Personality/Attitude/Creativity/ Interest and
- Report writing
- Preparing Autobiography / case Study/Anecdotal Record.
- Survey of problems & needs of Emotionally Challenged/ Disturbed Youth.
- Identifying growth needs and designing developmental tasks.

REFERENCES

Adelman, H.S., & Taylor, L: An Introduction to Learning Disabilities. Glenview, IL: Scott, Foreman, 1986.

Baker, H.J.: Introduction to Exceptional Children, New York, Mac Millan, 1944.

Batman, B.. Learning Disabilities: Yesterday, Today and Tomorrow. Exceptional Children,1964.

- Bhatnagar, A. and Gupta, N. (Ed.): Guidance and Counselling Vol. I: A Theoretical Perspective. New Delhi: Vikash Publishing House Pvt. Ltd., 1999.
- Bhatnagar, A. and Gupta, N. (Ed.): Guidance and Counselling Vol. II: A Practical Approach. New Delhi: Vikash Publishing House Pvt. Ltd., 1999.
- Crow, L. D. and Crow, A.: An Introduction to Guidance. New Delhi: Eurasia Publishing House Pvt. Ltd., 1962.
- Freeman, F. S.: Theory and Practice of Psychological Testing (3rd Ed.). New Delhi: Oxford and IBH Publishing Co., 1965.
- Gibson, R. L. and Mitchell, M. H.: Introduction to Counselling and Guidance. London: Prentice-Hall International Limited, 1995.
- Goldman, L.: Using Test in Counselling(Second Edition). New York: Meredith Corporation, 1971.
- Gothward, W. P.: Vocational Guidance Theory and Practice. London: Croomttelm, 1987.
- Gowan, J.C. and Demos, G.D. (1964) The Education and Guidance of the Ablest-Spring-field, III: Charles C. Thomes.
- Kocher, S. K.: Educational and Vocational Guidance in Secodary School. New Delhi: Sterling Publisher Pvt. Ltd., 1992.
- Kowitz, G. T. and Kowitz, N. G.: Operating Guidance Services for the Modern School. New York: Holt Rinehart and Winston INC., 1968.
- Miller, C. H.: Guidance Services: An Introduction. New York: Harper and Row, 1965.
- Mishra R.C, Guidance and Counseling Vol. I-II, APH Publishing Corporation, New Delhi,2011
- Pal, H. R.: Advanced Educational Psychology. New Delhi: Directorate of Hindi Implementation, Delhi University, 2006.
- Pal, H. R. and Pal, A.: Education of The Learning Disabled. Delhi: Shipra Publications, 2008.
- Pal, H. R. and Pal, A.: Exceptional Children. Bhopal: M.P. Hindi Granth

Acedemy, 2010.

Pal, H. R. and Sharma, M.: Education of The Gifted. Delhi: Shipra Publications, 2007.

Pal, H. R. and Sharma, M.: Measurement/Assessment and Evaluation. Delhi: Shipra Publications, 2009.

Pasricha, P: Guidance and Counselling in Indian Education. New Delhi: NCERT, 1976.

Siddiqui M.H: Guidance and Counseling, APH Publishing Corporation, New Delhi,2009.

Singh, R. (Ed.): Educational and Vocational Guidance. New Delhi: Commonwealth Publishers, 1994.

Suri, S.P. and Sodhi, T.S.: Guidance and Counselling. Patiyala: Bawa Publications, 1997.

Qureshi, H.:Educational Counseling, Anmol Publications Pvt. Ltd, New Delhi,2004.

Yadav, S: Guidance and Counseling, Anmol Publications Pvt. Ltd. New Delhi 2005

SEMESTER – I
707: MODELS OF TEACHING AND TEACHER EFFECTIVENESS

OBJECTIVES:

CREDITS : 4

- To acquaint the students with various paradigms of teaching learning.
- To familiarize students with different perspectives on teaching effectiveness.
- To develop among students an understanding of Models of Teaching and facilitating learning.
- To develop among students skills in using Models of Teaching.
- To help students to critically evaluate the learnt Models of Teaching.

CONTENTS:

UNIT -I: Paradigms of teaching learning: Nature and uses, Explicit and Implicit Paradigms and their effects, Criterion of Teaching Effectiveness.

UNIT -II: Meaning and definition of Models of Teaching, Families of Models of Teaching, Models of Teaching Versus Models of Learning, Increasing learning Aptitude: Developing aptitude to teach.

UNIT-III: Models of Teaching: Theoretical Considerations, Teaching Learning Interactions in different Models of Teaching, Individual differences and diversity in curriculum: Learning Styles and Models of Teaching.

UNIT- IV: Detailed study of: Contingency Models, Group Investigation Model, Syntectics Model and Multidimensional Model for Disabled Students

UNIT-V: Current Researches in Models of Teaching Research, Trends in Models of Teaching, Review of Researches in Models of Teaching in India and abroad, Crux in using Models of Teaching.

REFERENCES:

- Broody, Harry and Pajmer, J.R.: Examples of Teaching Method, Skokie, Ill, Rand McNally, 1965.
- Bruner, J.S.: Towards a Theory of Instruction, Harvard University Cambridge Mass Press, 1967.
- Buch, M.B.: Second Survey of Research in Education. Baroda, Center of Advanced Study in Education and Psychology, M.S. University of Baroda, 1979.
- Buch, M.B.: Third Survey of Research in Education (1978-83). New Delhi: NCERT, 1986.
- Buch, M.B.: Fourth Survey of Research in Education (1983-88). New Delhi: NCERT, 1986.
- Eggen, P.D., Kauchak, D.P. and Harder, R.J.: Strategies for Teachers. Englewood Cliffs N.J.: Prentice Hall, 1979.
- Gage, N.L. (Ed.): Handbook of Research on Teaching . Chicago: Rand McNally and Co., 1963.
- Sharma, A.K.: Fifth Survey of Research in Education(1988-92). New Delhi: NCERT, 1997.
- Sansanwal, D.N.: Sixth Survey of Research in Education (1992-2006). www.dauniv.ac.in.2007.
- Travers, R.N.N. (Ed.): Second Handbook of Research of Teaching. Chicago: Rand McNally and Co., 1975.
- Weil, M. and Joyce, B.: Social Models of Teaching. Englewood Cliffs, N.J. Prentice Hall, 1978.
- Weil, M. and Joyce, B.: Information Processing Models. Englewood Cliffs, N.J. Prentice Hall, 1978.

Weil, M.and Joyce, B.:Personal Models of Teaching. Englewood Cliffs, N.J. Prentice Hall, 1978.

Weil, M.and Joyce, B.:Models of Teaching. Englewood Cliffs, N.J. Prentice Hall of India, 1978.

M.Phil : SEMESTER – I

709: ADVANCED EDUCATIONAL TECHNOLOGY

OBJECTIVES

CREDIT 4

- To familiarize the students with concept, scope and approaches of Educational Technology.
- To acquaint the students with different aspects of teaching learning.
- To train the students in different styles of developing instructional material.
- To improve the students' understanding, ability and technical proficiency in variety of areas relevant to Educational Technology.
- To acquaint the students with the ICT Trends in Education.
- To familiarize the students with the concept of assistive technology and research trends in educational technology.

CONTENT

Unit I: Concept and Scope of Educational Technology, Technology in Education, Technology for Education, Technology of Education. Approaches of Educational Technology- Hard Ware, Soft Ware and System Approach. Cybernetics: Meaning and Scope. National Policy and Education Technology.

Unit II: Teaching Technology: Planning, Organization, Leading and Evaluation of Teaching: Identification of Objectives, Task analysis, Designing of subject matter, Motivational theories of Teaching, Evaluation of Teaching Behaviors.

Unit III Instructional Technology: Mechanics of developing different types of Individualized Instruction material- Linear, Branching PLM, Mathematics and Modules. Computer Aided Instruction, Computer Based Management, e-Content, WBI, Office Automation.

Unit IV: ICT in Education: Use of Web Based Instruction: Web Links, Wiki-educator m-Learning, gamification, flipped classroom, cloud based learning. blended learning, MOOCS, Virtual Classrooms, Computer based Assessment System, Computer Mediated Communication.

Unit V: a) Adaptive and assistive Technologies for CWSN (Children With Special Needs)

b) Research Trends in Educational Technology.

SUGGESTED ACTIVITIES (ANY TWO)

- Developing an instructional Material on a selected topic.
- Creating and using an Educational Blog.
- Development of e-content in an area.
- Construction of profile on wiki-educator

REFERENCES

Agrawal, R: Educational Technology Management & Evaluation. Delhi: Shipra Publications, 2009

Anand, S :Educational Development and Technology._New Delhi: Anmol Publications Pvt. Ltd, 2007

Dahiya, S. S: Educational Technology-Towards Better Teacher Performance. Delhi: Shipra Publications, 2008

Dangwal, K.L: Educational Technology (Technology supported Teaching & Learning). New Delhi: APH Publishing Corporation, 2011

Lucido, P.L. & Borabo, R.G : Educational Technology. Quezon City: Katha Publishing Co,1997

Mangal,S.K : Essentials of Educational Technology.New Delhi: PHI Learning Pvt. Ltd, 2009.

Mohanty, J: Modern Trends in Educational Technology. ND: Neelkamal Publications Pvt. Ltd, 2007

Pathak, G. P: Education and Communication Technology. ND: Reference Press, 2005.

Rao, V. K: Educational Technology. ND: APH Publishing Corporation, 2011.

Rather, A. R.: Dynamics of Educational Technology. New Delhi: Anmol Publications Pvt. Ltd, 2006

Siddiqui, M. H: Challenges of Educational Technology. ND: APH Publishing Corporation, 2009

Yadav, N. (2008). A Handbook of Educational Technology. New Delhi: Anmol Publications Pvt. Ltd, 2008

WEBREFERENCES:

7 Good Examples of Gamification in Education. (2013, May 11). Retrieved from EdTechReview:

<http://edtechreview.in/index.php/news/news/products-apps-tools/324-examples-gamification-in-education>

Behrmann, M. (1998, January Fifth). Assistive Technology for Young Children in Special Education: It Makes a Difference. Retrieved from Edutopia: <http://www.edutopia.org/assistive-technology-young-children-special-education>

Flipped Classroom. (2013). Retrieved from Knewton: <http://www.knewton.com/flipped-classroom/>

Hussain, M. (2011, February Second). The Pedagogue: APPROACHES OF EDUCATIONAL TECHNOLOGY . Retrieved from blogspot.com: <http://mjthepedagogue.blogspot.in/2011/02/approaches-of-educational-technology.html>

Information and communication technologies in education. (n.d.). Retrieved from wikipedia: http://en.wikipedia.org/wiki/Information_and_communication_technologies_in_education

Lee, L. (2005, September). Using Web-based Instruction to Promote Active Learning: Learners' Perspectives . Retrieved from CALICO Journal: <https://calico.org/memberBrowse.php?action=article&id=135>

Pangaro, P. (2006, August Third). Getting Started- Guide to Cybernetics. Retrieved from Pangaro: <http://www.pangaro.com/published/cyber-macmillan.html>

Principles of Programmed Learning. (n.d.). Retrieved from Kumamoto University: Graduate School of Instructional systems: http://www.gsis.kumamoto-u.ac.jp/en/opencourses/pf/3Block/07/07-2_text.html

Virtual Classrooms. (n.d.). Retrieved from Teaching With Technology: <http://tw.wikispaces.com/Virtual+Classrooms>

M.Phil : SEMESTER – 1

709: QUALITATIVE RESEARCH IN EDUCATION

OBJECTIVES:

CREDITS : 4

- To help students to appreciate the limits of Quantitative Research Methods in Education.
- To enable students to gain an understanding of the qualitative research process and the nature of qualitative research.
- To help students to differentiate among different types of Qualitative Researches.
- To acquaint the students with the ways of locating problem areas and Qualitative Research problems.
- To enable students in designing a research study following a Qualitative Research approach.
- To enable students to select appropriate qualitative data analysis techniques for their studies.
- To help the students to develop competencies to plan, execute and report Qualitative Research.

CONTENT:

UNIT I: The positivist paradigm of Research in Education. Ontological and Epistemological orientations of the positivist approach. Emphasis on Quantifiability, Objectivity, Universality, Generality, Simplicity, Value-neutrality and Parsimony of positivist knowledge claims, Inadequacy of the positivist orientation in understanding educational reality.

UNIT II: Education as an interdisciplinary subject. Need of Alternative paradigms in view of complex and multidimensional reality underlying Education. Qualitative Research approaches including Ethnography, Case Study, Phenomenological Research, Grounded Theory; Constructivist, Naturalistic, Philosophical, Historical, and Critical Social Research.

UNIT III: Major research concerns in Qualitative research. Features of Qualitative Research Problems. Choosing research problem for Qualitative Research. Considerations for formulation of research topic for Qualitative Research Study. Delineating research questions contained in the problem.

UNIT IV: Steps of conducting a qualitative study: Selection of Subjects/ units/ Sources for the study, Mapping and Purposeful Sampling, Entry into research site and collaborating relationship with the subjects. Data collecting Techniques- Participant Observation, Direct Observation, Unstructured Interviewing, Case Study, Field Notes, Reflexive Journals, Analysis of documents and material etc

UNIT V: Analysis of qualitative data and Presentation of Results.: Content Analysis, Inductive Analysis, Deductive Analysis and Narrative Episodes. Validity issues in Qualitative research - Credibility, Transferability, Dependability, Conformability, Triangulation, and Authenticity. Writing report of a Qualitative study.

PRACTICAL ACTIVITIES (ANY TWO)

- Developing a Research proposal for a Qualitative study.
- Review of a Qualitative Research study.
- Collection of e-lectures on Qualitative Research methodology.

REFERENCES:

Ahuja, R.: Research Methods. Jaipur: Rawat publications, 2002.

- Atkinson, P.: The Ethnographic Imagination: Textual Constructions of Reality. New York: Routledge, 1990.
- Becker, H.S.: Writing for Social Scientists. Chicago: The University of Chicago Press, 1987.
- Berg, B.L.: Qualitative Research Methods for the Social Sciences. Boston: Allyn and Bacon, 1989.
- Best, J.W., Kahn, J.V.: Research in Education. New Delhi: Prentice Hall of India Private Limited, 1995.
- Bryman, A.: Quantity and Quality in Social Research. London: Unwin Hyman Ltd, 1988.
- Cassell, C. & Symon G. (Eds): Qualitative Methods in Organizational Research. London: Sage Publications, 1994.
- Crabtree, B. & Miller, W.: Doing Qualitative Research. Newbury Park, California: Sage Publications, 1992.
- Denzin, N. K., & Lincoln, Y. S.: Handbook of qualitative research (2nd ed.). Thousand Oaks: Sage, 2000.
- Denzin, N. & Lincoln, Y. (Eds.): Handbook of Qualitative Research. London: Sage Publication, 1997.
- Filstead, W. J. (Ed.): Qualitative Methodology: Firsthand Involvement with the Social World. Chicago: Markham Publishing Company, 1970.
- Fox, D.J.: The Research Process in Education. New York: Holt, Rinehart and Winston, 1969.
- Gay, L.R.: Educational Research: Competencies for Analysis and Application. New Jersey: Merrill an imprint of Prentice Hall, 1996.
- Hunter, J. E., Schmidt, F. L., & Jackson, G. B.: Meta-analysis: Cumulating research findings across studies. Beverly Hills: Sage, 1982.
- Husen, T., Postlethwaite, T.N.: The International Encyclopedia of Education. Oxford: Pergamon Press, 1985.
- Johnson, B., Christensen, L.: Educational Research: Qualitative and Qualitative Approaches. USA: Allyn and Bacon, 2000.
- Kaul, L.: Methodology of Educational Research. New Delhi: Vikas

Publishing House, 2011.

Kuhn, T.S.: The Structure of Scientific Revolutions. Chicago: University of Chicago Press, 1962.

Lincoln, Y.S. & Guba, E.G.: Naturalistic Inquiry. New Delhi: Sage Publications, 1985.

Miles, M.B. & Huberman, A.M.: Qualitative Data Analysis. Thousand Oaks, California: Sage Publications, 1994.

Mc Millan, J.H.: Educational Research Fundamentals for the Consumer. , USA: Harper Collins Publishers, 1996.

Mc Millan, J.H., Shumacher, S.: Research in Education: A conceptual Introduction. USA: Harper Collins Publishers, 1989.

Mertens, D.M.: Research Methods in Education and Psychology. Integrating diversity with Quantitative and Qualitative Approaches. New Delhi: sage Publications, 1998.

Neuman, W.L.: Social Research Methods: Qualitative and Quantitative Approaches. Delhi: Pearson Education, 2000.

Opie, C.: Doing Educational research. New Delhi: Vistaar Publications, 2009.

Pal, H.R.: Measurement , Assessment & Evaluation. New Delhi: Shipra Publication, 2009.

Pal, H.R.: Educational Research. Bhopal: M. P. Hindi Granth Academy, 2004.

Pal, S.K. and Saxena, P.C.: Quality Control in Educational Research, New Delhi: Metropolitan Book Co, 1985.

Popper, K.: The Logic of Scientific Discovery. New York: Routledge, 2002.

Shrama, R.A.: Educational Research: Design of Research and Report writing. Meerut (UP): R.Lall Book Depot, 2010.

Sharma, S.C. Research Methods in Behavioral and Social Science. Meerut (UP): R. Lall Book Depot.

Shaw, I. & Gould, N. (Eds.): Qualitative Research in Social Work. London:

Sage Publications, 2001.

Sidhu, K.S.: Methodology of Research in Education, New Delhi: Sterling Publishers private Limited, 1984.

Singh, R.A.: Methods In Social Research, Jaipur: Printwell publishers, 1990.

Wiersma,W.: Research Methods in Education: An Introduction, Massachusetts: Allyn and Bacon, 1986.

Wittrock, M.C.: Handbook of Research on Teaching. New York: Mac Millan Publishing Company, 1986.

SEMESTER II : COURSES OF STUDY AND CREDITS

COURSE NUMBER	TITLE	CREDITS
702	SEMINAR	3
704	TERM PAPER/ASSIGNMENT	3
706	DISSERTATION/PROJECT	20
	COMPREHENSIVE VIVE VOCE	4 -----
	TOTAL	30

702 : SEMINAR**CREDITS :3**

Every scholar has to give one seminar on his/her dissertation work. The scholar may present his/her synopsis /developed links/data analysis /pre submission of the report of dissertation.

704 : TERM PAPER/ASSIGNMENT**CREDITS :3**

Each scholar will prepare & make presentation of a term paper/assignment on any issue connected with higher education or review of original book/e-content on education or any other topic approve by the concerned teachers.

705 : DISSERTATION/ PROJECT**CREDITS :3**

Each scholar will complete a dissertation /project work in six months duration and shall submit report of the same in hard &soft copies. There will be a viva voce after submission of the dissertation /project report.