

M.Phil Education

Course Category

MEdu : M.Phil in Education

CCC: Compulsory Core Course

ECC: Elective Core Course

Contact Hours:

L: Lecture

T: Tutorial

P: Practical or Other

Marks Distribution :

IA: Internal Assessment (Test/Classroom Participation/Quiz/Presentation/Assignment etc.)

EoSE: End of Semester Examination

M. Phil (Education)

(Course Structure)

Subject code	Subject Name	Teaching hours			Marks		
		L	T	P	External	Internal	Total
01MEDU101	Research Methods in Education	3	1	0	70	30	100
01MEDU102	Alternatives in Education	3	1	0	70	30	100
01MEDU103	EDUCATIONAL POLICY PLANNING AND MANAGEMENT	3	0	0	70	30	100
01MEDU104	Inclusive Education	3	0	0	100		100

	Total	12	0	0	280	120	400

SEMESTER II

Subject code	Subject Name	Teaching hours			Marks		
		L	T	P	External	Internal	Total
02MEDU101	Advanced Research Methodology	3	1	0	70	30	100
02MEDU102	Recent Trends in Education	3	1	0	70	30	100
02MEDU103	Creative Thinking & Innovation In Education	3	0	0	70	30	100
02MEDU201	Dissertation	3	0	0	50	50	100
	Total	12	0	0	260	140	400

01MEDU101

RESEARCH METHODS IN EDUCATION

Unit - 01

Research - definition - importance and meaning of research - characteristics of research - types of research - steps in research - identification, selection and formulation of research problem – research questions - research design - formulation of hypothesis - review of literature

Unit - 02

Sampling techniques : sampling theory - types of sampling - steps in sampling - sampling and non-sampling error - sample size - advantages and limitations of sampling. Collection of data : primary data - meaning - data collection methods - secondary data - meaning - relevances, limitations and cautions.

Unit - 03

Statistics in research - measure of central tendency - dispersion - skewness and kurtosis in research. Hypothesis - fundamentals of hypothesis testing - standard error - point and interval estimates - important non-parametric tests : sign, run, kruskal - wallis tests and mann-whitney test.

Unit - 04

Para metric tests : testing of significance - mean, proportion, variance and correlation - testing for significance of difference between means, proportions, variances and correlation co-efficient. Chi-square tests - anova - one-way and two-way.

Unit - 05

Research report : types of reports - contents - styles of reporting - steps in drafting reports - editing the final draft - evaluating the final draft.

References:

1. Kothari, C.R.(2004). Research Methodology: Methods and Techniques, New Age International Publishers, New Delhi.
2. Arya., P.P. and Pal, Y.(2001) Research Methodology in Management: Theory and Case Studies. Deep and Deep Publishers Pvt. Ltd., New Delhi

01MEDU102

ALTERNATIVES IN EDUCATION

:

UNIT – I: INTRODUCTION TO NON-FORMAL EDUCATION

1. Nature, meaning and functions of adult and non-formal education
2. Importance and scope of non-formal and adult education
3. The status of non-formal and adult education in India.

UNIT – II: ALTERNATIVE SYSTEMS IN EDUCATION

1. Recommendations of the following:
 - a. Indian Education Commission (1964-66)
 - b. Learning To Be International Education Commission (1972-73)
 - c. National Policy on Education (1986-92)
 - d. Delors Report The Treasure within (1996)
2. Contributions of the following thinkers:
 - a) Ivan Illich
 - b) Paulo Freire
 - c) J.P. Naik

UNIT – III CURRICULUM DESIGN & DEVELOPMENT

1. Basic criteria for curriculum development in non-formal education
2. Needs and requirements of rural and urban communities

3. Designing instructional packages.

UNIT – IV: RESEARCH AND EVALUATION IN NON-FORMAL EDUCATION

1. Need and Importance of research in non-formal and adult education

2. Areas of research in non-formal and adult education

3. Research in non-formal and adult education in India and Abroad.

4. Methods of evaluation in non-formal education.

UNIT – V: PROBLEMS OF ADULT AND NON-FORMAL EDUCATION

1. Problems of adult and non-formal education in developing countries with special reference to India.

2. Problems of organization and financial administration in non-formal and adult education.

3. Problems of continuing education of women, teachers, workers in various vocations.

4. Problems of universalization of education.

References:

1Adams, J. L. (1986). Conceptual blockbusting: A guide to better ideas . Reading, MA: Addison-Wesley.

2Alter, J. B. (1991). Experiencing creating and creativity in the classroom Journal of Creative Behavior, 25(2), 162-168.

3Amabile, T. (1983). The social psychology of creativity. New York, NY: Springer-Verlag

4Ames, I. R. (1991, April). The student journal: Integration through creative and critical analysis. Paper presented at the Annual Meeting of the Eastern Communication Association, Pittsburgh, PA ,(ERIC Document Reproduction Service No. ED 333 503).

5Baden-Fuller, C.; Morgan, M.S. (2010): Business models as models. Long Range Planning. 43, 156-171.

6 Barell, J. (1991). Teaching for thoughtfulness: Classroom strategies to enhance intellectual development. NY: Longman.

7 Barnes, C. P. (1979, January). Questioning strategies to develop critical thinking Skills. Paper presented at the 46th Annual Meeting of the Claremont Reading Conference, Claremont, CA, (ERIC Document Reproduction Service No. ED 169 486).

8 Battaglini, D. J., & Schenkat, R. J. (1987). Fostering cognitive development in college students-- the Perry and Toulmin models. Washington, DC: Office of Educational Research and Improvement., (ERIC Document Reproduction Service No. ED 284 272).

9 Bauer, H. H., & Snizek, W. E. (1989, July). Encouraging students in large classes to ask questions: Some promising results from classes in chemistry and sociology. *Teaching Sociology*, 17(3), 337-340.

10 Bonaccorsi, A.; Giannangeli, S.; Rossi, C. (2006): Entry strategies undercompeting standards: Hybrid business models in the open source software industry. *Management Science* 52(7), 1085-1098.

01MEDU103

EDUCATIONAL POLICY PLANNING AND MANAGEMENT

UNIT – I:

National Policy on Education – Center and State relation in education –

Recommendations of various commissions in the context of :

1. Universalization of elementary education.
2. Secondary education.
3. University education.

UNIT – II:

Recent changes in economic policies and their implications for education at national and state level.

UNIT – III

Educational planning – theoretical considerations. A critical examination of relevance of different approaches to educational planning, with special reference to India.

UNIT – IV:

Demographic aspects of educational planning.

UNIT – V:

Alternative methods of financing education.

1. The role of fees
2. Student loans
3. Education voucher

References :

- 1.Chaffee, J. (1988, March). Teaching critical thinking across the curriculum . Paper presented at the 12th Annual Conference of the National Association for Developmental Education, Orlando, FL
- 2Chalupa, M., & Sormunen, C. (1994, January/February). Critical thinking skills research: Developing evaluation techniques. *Journal of Education for Business* , 69(3), 172-177.
- 3Chesbrough, H. 2010. 'Business Model Innovation: Opportunities and Barriers.' *Long Range Planning*, 43:2-3, 354-63.
- 4Christensen, C.M. 2006. 'The Ongoing Process of Building a Theory of Disruption.' *Journal of Product Innovation Management*, 23:1, 39-55.
- 5Clarke, J. H. (1988, Fall). Designing discussions as group inquiry. *College Teaching*,36(4), 140-143.

01MEDU104

INCLUSIVE EDUCATION

Unit-I

Concept of exceptional children :their types and approximate number in India,their difference from abnormal children, concept and objectives of special education

Unit-II

The physically handicapped their types, problems of adjustment education of the orthopaedically handicapped children The partially or totally blind, deaf and dumb, their proper education and training

The speech defectives deduct of voice and articulation, stammering, its remedial treatment and correction programme.

Unit-III

The socially handicapped or the delinquent children causes of delinquency &remedial measure to deal with the delinquents.

Unit -IV

Mentally retarded causes of mental retardation, various types of retardation, education provisions for the retarded.

Unit -V

The gifted and creative children -their identification, characteristics & education. Teacher preparation for the exceptional children of various types.

Psychopathology of mental illness in the home due to handicapped, Guidance for the parents of handicapped children.

References :

1. Arcaro, J.A. (1997). Quality in education – An implementation Handbook, Vanity Books International, New Delhi.
2. D.B. Tara. : Educational Measurement- Richard h. Lindeman. Taraporevala Sons
3. Dr. V.Z. Sali, Principles and Techniques of Unit testing- National Publishing House, 23, Darya-ganj, Ansari Road, New Delhi-11000
4. H.R. Remmers, Gage Rummel : A Practical Introduction to Measurement and Evaluation- Universal Book stall, New Delhi.
5. Mukhopadhyay, M. (2005). Total Quality Management in education, 2nd edition, Sage Publication. Measurement and Evaluation in Psychology and Education- Thorndike Hegen, John Wiley and Sons, London, New York.
6. Prof. Dandekar and Prof. Rajguru, In Introduction to Psychological Testing and Statistics Sheth Publishers, Bombay.
7. William Micheels, Ray Karnes : Measuring Educational Achievement- McGraw Hill Book Company, New Delhi.

SEMESTER II

PAPER 1 ADVANCED RESEARCH METHODOLOGY

PAPER CODE: 02MEDU101

UNIT I

Basic concepts: Research process, problem identification, research designs, informal experimental designs. Completing randomised design, randomized block design, latin square design, factorial designs

UNIT II

Sampling and testing of hypothesis: Concept of probability, probability\ distribution, Normal, Poisson, χ -square, t-test. Sampling distribution, central limit theorem, Sandler's A-test, standard error, population mean, population proportion, sample size, confidence intervals, null hypothesis and alternative hypothesis, level of significance, two tailed and one tailed tests, Z-test, t-test, χ^2 -test, F-test, testing of correlation coefficients, ANOVA one way ANOVA, two way ANOVA Tukey's HSD.

UNIT III

Non-parametric tests: Sign test, Fisher-Irwin test, Mc Nemer test, Wilcoxon Mali test, Wilcoxon, Mann-Whitnery test, Kruskal-Wallis test, one sample runs test. Spearman's rank correlation, Kendall's coefficient of concordance.

UNIT IV

Multivariate analysis: Multiple regression, multiple discriminant analysis, multiple analysis of variance, canonical correlation analysis, Factor analysis cluster analysis, path analysis. Computational techniques.

UNIT V

Computer Application, Basic of Computer, System Software & Application Software. Computer as a tool of Research: Application in data Analysis, related software. MS Office, SPSS, Data Communication, LAN & WAN Data Exploration using internet tools, e-journal, e-books, Basic concept of teleconferencing & related configuration.

REFERENCES:

1. Kothari, C.R. (2004). Research Methodology: Methods and Techniques, New Age International Publishers, New Delhi.
2. Arya., P.P. and Pal, Y.(2001) Research Methodology in Management: Theory and Case Studies. Deep and Deep Publishers Pvt. Ltd. New Delhi.
3. Bedekar V. H. 1982 – How to write assignments, research papers, dissertations, Kanak New Delhi.
4. Barzam J. and Graff Henry, 1977 – The Modern Researcher, Hercoust Brace. Javanavish Inc. 3rd Ed.
5. Gatner, E. S. M. & F. Cardasco 1970 – Research and report writing, Pb. Bernes and **Noble, N.Y.**

PAPER II Recents Trends In Education

PAPER CODE: 02MEDU102

UNIT I

Interdisciplinary Approach for problems in Education

- a. Interdisciplinary - concept , need and scope.
- b. Interdisciplinary approaches.
- c. Research based curriculum development
- d. Globalization and national objectives of education.

UNIT II

Approaches of Learning-

- a) Life long Learning
- b) Distance Learning
- c) Co-operative Learning
- d) Blended Learning
- e) Flexi Space Learning
- f) Reflective Learning

UNIT III

Process of Learning-

- a) Inquiry Based Learning
- b) Brain Based Learning
- c) Media literacy and Learning

UNIT IV

New Trends in Education

- a. Inclusive Education
- b. ICT in Education
- c. Life Skill Education
- d. Multicultural Education
- e. Alternative Assessment
- f. Social Constructivism

UNIT V

Issues in Education

- a. Educational Policies
- b. Wellbeing Education
- c. Comparative Education
- d. Development Education
- e. Citizenship Education
- f. Economics of Education

References

1. Aggarwal J.C., Landmarks in the History of Modern Indian Education, Vikas Publishing House, New Delhi, 1996
2. Aggarwal J.C., Basic Ideas in Education Shipra Publication, Delhi, (3rd Ed. 2006)
3. Aggarwal J.C., Population Education, Shipra Publication, Delhi, (2009)
4. Ann Kovalchik, Kara Dawson, Education and Technology, ABC-CLIO, Inc Pub. California, 2004
5. Baily Richard, Barrow Robin, Carr David & McCarthy Christine, The Sage Handbook of Philosophy of Education, Sage Pub. (First Ed. 2010)
6. Behar Sharad Chandra, Globalizing Education : Perceptions and Processes,

Indian Institute of Education, Pune, 2005.

7. Chand Jagdish, Value Education, Anshah Publishing House, Delhi, (2007)

8. Chandra S.S. & Sharma Rajendra, Sociology of Education, Atlantic Pub. 2004

9. Cheryl Ann, Armstrong Derrick & Spandagou Llektra, Inclusive Education: International Policy & Practice, Sage Pub. 2010.

10. Cole Mike, Education, Equality and Human Right, (3rd Edition 2012) Routledge Publication,

PAPER III Creative Thinking & Innovation In Education

PAPER CODE :02MEDU103

UNIT I

a) Understanding Creative and Critical Thinking

b) Creative thinking strategies - Reflection, Rationality, Self - awareness, Honesty, openness, Discipline, Judgements.

c) Characteristics of Creative & Critical Thinking

d) Combining Creative and Critical Thinking.

UNIT II

Innovation

a) Understanding Innovation

b) Elements of Innovation : Knowledge, Evolution & revolution , Association, Identity, Necessity

c) Generate new Idea using Abduction, Outside the box, Impossible thinking

UNIT III

Testing ideas and raising confidence in Education

a) Gedanken Experiments

b) Triangular Thinking

c) Sampling of Trending

d) Hypothesis, Experiments, Observation & prediction

UNIT IV

Education System - Creativity, Innovation and Critical Thinking

a) Creating a Nation of thinkers

b) Comprehensive education reform paradigm shift for system teach to student learn

UNIT V

Education System - Creativity, Innovation and Critical Thinking

a) Educational reform century needs cost reducing, Resource management

Improving GER and catering education needs of masses in India.

b) To produce excellent Human Resources.

References :

1. Dickson Janet, Hughes Barry & Irfan Mohammad, Patterns of Potential Human

Progress Oxford University Press, 2010

2.Fernandes Maria Milagris, The Foundations of Education: The Philosophical Approach, Himalaya Pub. House, New Delhi, 2004

3.Mohanty Jagannath, Modern Trends in Indian Society, Deep & Deep Pub. New Delhi, (2nded. 2005)

4. Nelasco Shobana ,Agarwal Meenu ,Njiribeako Austin, Issues of Information Communication Technology in Education, Kanishka Publication, New Delhi, 2009

5.Nikolopoulou Anastasia, Abraham Taisha & Mirbagheri Farid, Educational for Sustainable Development,Sage Pub.New Delhi, 2010.

6.Peacock Kathy Wilson, Natural Resources and Sustainable Development, Viva Books, 2010.

7.Patil V.T., Value Education and Human Rights Education, GNOSIS Pub. New Delhi, (2008)

8. Pandey K.P., Perspectives Social Foundations of Education, Shipra Publication, 2010

9. Pandya Rameshwari & Mathu Anuradha, Imbibing Value Education, Kalpaz Publication, Delhi, (2005)

20.Roy Gardner, Jo Cairns, Denis Lawton, Education for Values, Kogan Pages U.S.(2000)

21.Saleem Imran & Imran Ashraf, Education and Social Sector Regal Pub. New Delhi, (2012)

PAPER IV Dissertation

PAPER CODE :02MEDU201