

This course on the foundations of educational research will attempt to provide a broad overview of the different types of educational researches. It also aims to assist students in their understanding of quantitative methods. The course will address the topics given below.

1. Introduction to educational research	1/2	(Jan 16/20)	Sugra
(Quantitative, qualitative and mixed methods in educational research, sources of data, indicators of good research, selection of a research problem, ethics)			
2. Measurement/ Sampling	3/4	(Jan 23/ 27)	Aniket
3. Reliability / validity	5/6	(Feb 6 / 10)	Aniket/Sugra
4. Quantitative data analysis	7/8	(Feb 13 / 17)	Aniket
5. Choosing a statistical test	9/10	(Feb 24 / 27)	Aniket
6. Planning educational research	11/12	(Jan 30/ Feb 3)	Sugra/Aniket
(Research Designs, controlling variance)			

Types of research

7. Naturalistic /ethnographic	13 /14	(Mar 3 /6)	Sugra/Student seminar
8. Surveys	15/16	(Mar 10/13)	Sugra/Student seminar
9. Case studies	17/18	(Mar 17/20)	Sugra/Student seminar
10. Ex post facto research	19/ 20	(Mar 24/ 27)	Sugra/Student seminar
11. Experiments	21/ 22	(Mar 31/Apr 3)	Sugra/Student seminar
12. Quasi-experiments	23/ 24	(April 7/ 10)	Sugra/Student seminar
13. Action research	25/ 26	(April 14/ 17)	Sugra/Student seminar

Assessment will be based on classroom interactions and presentations/ seminars (30%) and assignments (30%). The student seminars in types of research have to

a) explicate the type of research and a research paper that uses this type

or

b) explicate in detail one tool for data collection (questionnaire, interview, observation scale, test, ...) and a research paper using the tool

One major activity would be to prepare and submit in writing and make a presentation on a small (proto) research study (40%). This study can be a replication of a published work or could be original.

References:

1. Cohen, L., Manion, L. & Morrison, K. (2011). *Research methods in education*, 7th Edition. Routledge. Special Indian Edition by Cambridge University Press India.
2. Charles C.M. (1995, Second Edition) *Introduction to Educational Research*, Longman USA
3. Minium, E.W and Clark, R.B. (1982). *Elements of Statistical Reasoning*, John Wiley and Sons, New York.
4. Kidder L.H , Judd C.M and Smith E.R. (1986, Fifth Edition) *Research Methods in Social Relations*, Holt Rhinehart and Winston Inc.
5. Kerlinger F.N. (1983, Second Indian Reprint) *Foundations of Behavioural Research*, Surjeet Publications
4. Baker T.L. (1988) *Doing Social Research*, McGraw Hill Inc.
5. Cresswell, J.W. (2002), *Educational Research; Planning, Conducting and Evaluating Quantitative and Qualitative Research*, Merrill Prentice Hall