

## **Advanced course in research methods in education**

**Course description:** A good qualitative research study requires richer data and skillful analysis/interpretation strategies by which the researcher presents a sophisticated account of the phenomenon. In the foundation course, students were oriented towards the tradition of qualitative research by introducing some popular methodological choices in education research and the paradigms in which these methods are situated. In the advanced course, students will critically review some contemporary education research studies and discuss how these research methods are applied to explore meaning-making, cultural norms, discourse, attitudes and behaviors, conceptual understanding, and power relations, etc. Students will participate in workshops designed to develop core skills in interviewing, conducting a focus group, and ethnographic observations. Towards the end of the semester, students will carry out a short research project and disseminate the findings through a term paper. This is a core course (4 credit) and it will be assessed based on 3 written assignments (including term paper), presentations, and participation in the group discussions.

**Timing:** Tuesday and Thursday 12.00 -2.00 PM

**Course start date:** 18 August 2020

**Course instructor:** Deepa Chari

**Contact email:** [deepa@hbcse.tifr.res.in](mailto:deepa@hbcse.tifr.res.in)

**Tentative schedule:**

	<b>Day and date</b>	<b>Suggested reading</b>
1	Tuesday 18 August 2020	Emma Clarke & John Visser (2019) Pragmatic research methodology in education: possibilities and pitfalls, International Journal of Research & Method in Education, 42:5,455-469; DOI: 10.1080/1743727X.2018.1524866
2	Thursday 20 August 2020	Kelly M. Munger, Donna M. Mertens (2011); Conducting Research with the Disability Community: A Rights-Based Approach; New Directions for Adult and Continuing Education DOI: 10.1002/ace
3	Tuesday 25 August 2020	Andrew Parker & Jonathan Tritter (2006) Focus group method and methodology: current practice and recent debate, International Journal of Research & Method in Education, 29:1, 23-37, DOI: 10.1080/01406720500537304

4	Thursday 27 August 2020	David Morgan (1996) Focus Group, Annual review of sociology, 1996. 22:129-52. <a href="https://www.jstor.org/stable/2083427?seq=1#metadata_info_tab_contents">https://www.jstor.org/stable/2083427?seq=1#metadata_info_tab_contents</a>
5	Tuesday 1 September 2020	XXXXXX No class XXXXXX
6	Thursday 3 September 2020	Parvati Raghuram (2019) Race and feminist care ethics: intersectionality as method, Gender, Place & Culture, 26:5, 613-637, DOI: 10.1080/0966369X.2019.1567471
7	Tuesday 8 September 2020	Pamela A. Moss, D. C. Phillips, Frederick D. Erickson, Robert E. Floden, Patti A. Lather, and Barbara L. Schneider (2009) AERA article; Learning From Our Differences: A Dialogue Across Perspectives on Quality in Education Research Educational Researcher, Vol. 38, No. 7, pp. 501–517 DOI: 10.3102/0013189X09348351
8	Thursday 10 September 2020	Shirley Simon, Sibel Erduran & Jonathan Osborne (2006) Learning to Teach Argumentation: Research and development in the science classroom, International Journal of Science Education, 28:2-3, 235-260, DOI: 10.1080/09500690500336957
9	Tuesday 15 September 2020	Catching up + Review on “Educating Rita”
10	Thursday 17 September 2020	Melanie Walker (2006); Towards a capability-based theory of social justice for education policy-making, Journal of Education Policy, 21:2, 163-185, DOI: 10.1080/02680930500500245
11	Tuesday 22 September 2020	(Tentative) NAP report - Understanding Others, Educating Ourselves Getting More from International Comparative Studies in Education (2003) <a href="https://www.nap.edu/catalog/10622/understanding-others-educating-ourselves-getting-more-from-international-comparative-studies">https://www.nap.edu/catalog/10622/understanding-others-educating-ourselves-getting-more-from-international-comparative-studies</a>
12	Thursday 24 September 2020	William J. Fassbender (2020); The potential for (more-than) representational video in education research, International Journal of Research & Method in Education, DOI:10.1080/1743727X.2020.1772743
13	Tuesday 29 September 2020	Practicing interviews and focus group
14	Thursday 1 October 2020	Reed Stevens, Kevin O’Connor, Lari Garrison, Andrew Jocuns, Danial Amos (2013) Becoming an Engineer: Toward a Three Dimensional View of Engineering Learning, Journal of Engineering education, <a href="https://doi.org/10.1002/j.2168-9830.2008.tb00984.x">https://doi.org/10.1002/j.2168-9830.2008.tb00984.x</a>
15	Tuesday 6 October 2020	Catching up + Workshop on “Phenomenology Vs phenomenography”

16	Thursday 8 October 2020	Student presentations (Review of Assignment 1)
17	Tuesday 13 October 2020	Student presentations (Review of Assignment 1)
18	Thursday 15 October 2020	Roger Straus (1981), The Theoretical Frame of Symbolic Interactions: A Contextualist, Social Science; Symbolic Interaction, Vol. 4, No. 2 (1981), pp. 261-272
19	Tuesday 20 October 2020	Concept inventories (Reading TBA)
20	Thursday 22 October 2020	XXXXXX No class XXXXXXXX
21	Tuesday 27 October 2020	Huchison and Hammer (2009), Attending to Student Epistemological Framing in a Science Classroom, Science education
22	Thursday 29 October 2020	Keith S. Taber (2000) Case studies and generalizability: grounded theory and research in science education, International Journal of Science Education, 22:5, 469-487, DOI:10.1080/095006900289732
23	Tuesday 3 November 2020	Discourse workshop (tentatively)
24	Thursday 5 November 2020	Discourse workshop (tentatively)
25	Tuesday 10 November 2020	Discussion on research project + planning
26	Thursday 12 November 2020	XXXXXX No class XXXXXXXX
27	Tuesday 17 November 2020	RQDA or NVivo workshop (tentatively) //Assignment 2
28	Thursday 19 November 2020	RQDA or NVivo workshop (tentatively)
29	Tuesday 24 November 2020	RQDA or NVivo workshop (tentatively)
30	Thursday 26 November 2020	Amy Robertson and Leslie Atkins Elliott (2020) Truth, success, and faith: Novice teachers' perceptions of what's at risk in responsive teaching in science; Science education Vol 104(4), pp 736-761. DOI DOI: 10.1002/sce.21568
31	Tuesday 1 December 2020	Ethics workshop (cases discussion) + preparing application for IRB approval
32	Thursday 3 December 2020	Preliminary review of research project