

Course: Advanced Research Methodologies; **Credits:** 4

Duration: August- November 2015, **Day and time:** Tuesday and Friday, 11.30-1.00 (Beginning on 11th August)

Instructor: Sugra Chunawala

This course is placed in the third semester and is for second year students, as a continuation of the course *Methods of science, technology & mathematics education research* that they took earlier. The course is intended to introduce advanced research methods used in educational research. The earlier course covered some basics in sampling, reliability, validity, variance and research methods such as, surveys, case studies, ex-post facto research, action research, experimental and quasi-experimental research.

The present course will elaborate on some of these methodologies, in addition to some new methods. It is intended that this course will enable students; to appreciate the range of research methods possible in the field of education, identify and acknowledge the positives and limitations of various research methodologies and apply these in their future research projects.

The class will be student-driven and discussion-based. Readings would be presented by instructor or student each week in their chosen mode of presentation (posters/chalk and board/ worksheets/ power-point presentations). Students will also be expected to lead the discussion.

In all, there will be around 25 sessions (tentative), including student seminars and guest lecturers. Assessment will be based on classroom interactions and presentations/seminars (constitutes 30% of marking) and assignments (constitutes 30% of marking). Assignments will mainly be of two types. Firstly, all student seminars will be accompanied by a written account of the topic presented. Secondly, students are expected to write a critical narrative review of any one of the research methodologies covered in the course. In addition, students would have to conduct a small proto research and submit in writing (upto 15000 words), as well as make a presentation on the same. The proto research study (constitutes 40% of marking) can be original, replication of a published work, or a continuation of the work done in the earlier course.

READINGS FROM:

1. **Cohen, L., Manion, L., & Morrison, K. (2011).** *Research methods in Education* (Seventh Edition). Routledge.
2. **Stanczak, G. C. (Ed). (2007).** *Visual Research Method*. Sage Publications.
3. **Somekh, B., & Lewin, C. (Eds.). (2005).** *Research Methods in the Social Sciences*. Sage Publications/ Vistaar Publications.
4. **Bryman, A. (2008).** *Social Research Methods*. (Third Edition) Oxford University Press.
5. **Have, P. (2007).** *Doing conversation analysis*. (Second Edition). Sage Publications.
6. **Fairclough, N. (2003).** *Analysing Discourse*. Routledge.
7. **Hoadley, C. (2012).** What is a community of practice and how can we support it? In D. H. Jonassen & S. M. Land (Eds.), *Theoretical foundations of learning environments* (Second ed., pp. 287-300). New York: Routledge.
8. **Hashim, N & Jones, M. L. (2007).** Activity theory: a framework for qualitative analysis, in 4th International Qualitative Research Convention (QRC), 3-5 September, 2007, PJ Hilton, Malaysia.
9. **Madison, D. S. (2005).** *Critical Ethnography: Method, Ethics, and Performance*. Sage Publications.
10. **Millward, L. J. (2012).** Focus Groups. In G. M. Breakwell, J. A. Smith, D. B. Wright (Eds.). *Research methods in psychology* (Fourth Edition). Sage Publications. pg-411-438.
11. **Merriam, S. B. & Associates (2002).** *Qualitative research in practice*. Jossey-bass/ A Wiley Imprint.

GENERAL OUTLINE

	TOPIC	SESSION	REFERENCES
General introduction to advanced research methodologies			
	Recap of the course on <i>Research Methodologies</i> (semester 2). Effective literature review, what do examiners look for in a literature review, Systematic review, referencing, plagiarism	1	Alan Bryman- <i>Social Research Methods</i> . (pg.80-111) http://greatresearch.org/2013/10/18/the-paper-reviewing-process/
1 UNIT 1: Language in research			
1.1	Basics of Conversation analysis and Discourse analysis	1	-
	Student seminars on research studies that use Conversation analysis and Discourse analysis	2	Paul ten Have (2007). <i>Doing conversation analysis</i> . Norman Fairclough (2003). <i>Analysing Discourse</i> .
2 UNIT 2: Visuals in research			
2.1	Introduction: Images, methodologies and generating social knowledge	1	-
	Student Seminars on book chapters and field assignment.	3	Gregory C. Stanczak (Ed). <i>Visual Research Methods</i> (pg 1-21), (pg 23-59), (pg 61-81)
3 UNIT 3: Socio-cultural aspect in research			
3.1	Communities of practice	1	Bridget Somekh & Cathy Lewin: <i>Research Methods in the Social Sciences</i> . (pg.180-185) Christopher Hoadley (2012). What is a community of practice and how can we support it?
3.2	Activity theory	1	Bridget Somekh & Cathy Lewin: <i>Research Methods in the Social Sciences</i> . (pg.188-194) Hashim & Jones, 2007
4 UNIT 4: Research for impact			
4.1	Introduction to Feminist methodologies, Action Research, Critical ethnography. Assignment on Ethnography.	1	L. Cohen, L. Manion & K. Morrison: <i>Research Methods in Education</i> . (pg. 39-45) Bridget Somekh & Cathy Lewin: <i>Research Methods in the Social Sciences</i> . (pg.89-94) D. Soyini Madison, (2005). Critical Ethnography:Method, Ethics, and Performance
4.2	Guest Lecture - Action Research	1	-
4.3	Guest Lecture - Critical Ethnography	1	-
	Student seminar on Feminist methodologies & presentation of assignments on ethnography	2	L. Cohen, L. Manion & K. Morrison: <i>Research Methods in Education</i> . (pg. 39-45) Bridget Somekh & Cathy Lewin: <i>Research</i>

			<p><i>Methods in the Social Sciences.</i> (pg.66-71)</p> <p>Alan Bryman- <i>Social Research Methods.</i> (pg.463-465)</p>
5	UNIT 5: Data collection		
5.1	Focus group	1	<p>Alan Bryman- <i>Social Research Methods.</i> (pg.473-491)</p> <p>Lynne Millward (2012), <i>Focus Groups.</i></p>
5.2	Accounts & Personal Constructs	1	<p>L. Cohen, L. Manion & K. Morrison: <i>Research Methods in Education.</i> (pg. 444- 455), (pg.496-509)</p>
6	UNIT 6: Qualitative data analysis		
6.1	Approaches to qualitative data analysis	1	<p>L. Cohen, L. Manion & K. Morrison: <i>Research Methods in Education.</i> (pg.467-469) (pg 537)</p>
6.2	Guest lecturer - Content Analysis	1	<p>L. Cohen, L. Manion & K. Morrison: <i>Research Methods in Education.</i> (pg.475-490) (pg-559-573)</p>
6.3	Introduction to Grounded theory (Readings)	1	<p>L. Cohen, L. Manion & K. Morrison: <i>Research Methods in Education.</i> (pg.598-603)</p> <p>Bridget Somekh & Cathy Lewin: <i>Research Methods in the Social Sciences.</i> (pg.49-55)</p>
	Student seminar (research paper on Grounded theory)	1	<p>Sharan B. Merriam & Associates, 2002, <i>Qualitative research in practice</i></p>
7	UNIT 7: Quantitative data analysis		
7.1	Guest lecture - Parametric test	1	-
7.2	Guest lecture - Non-parametric tests	1	-