

Name of the Course	Advanced Research Methods
Course Code	ADV-703
Credit Hours	3
Objectives	<ol style="list-style-type: none"> 1. To learn about the nature and application of quantitative research in social sciences research 2. To identify and describe various methods for doing quantitative research 3. To practice the procedure of survey research from topic identification to report writing 4. To get understanding about qualitative research design and methods 5. To learn basic qualitative data collection and analysis techniques.
Contents	<p>Unit-I Introduction to quantitative research 1.1 Basic concepts and philosophy of quantitative research</p> <p>Unit-II Basic elements of research 2.1 Selecting and defining a research topic 2.2 Defining research problems 2.3 Reviewing the literature 2.4 Survey research 2.5 Designing questionnaires</p> <p>Unit-III Application of statistics in research 3.1 Selecting a sample 3.2 Probability and sampling 3.3 Research questions and logic of hypothesis testing 3.4 Descriptive statistics 3.5 Quantitative data analysis using SPSS software</p> <p>Unit-IV Introduction to qualitative research 1.1 Introduction 1.2 Difference between qualitative and quantitative research 1.3 Research process 1.4 Philosophical positioning of qualitative research</p> <p>Unit-V Basic qualitative research methods 2.1 Case study 2.2 Grounded theory 2.3 Phenomenography 2.4 Ethnography</p> <p>Unit-VI Data collection techniques 5.1 Techniques 5.2 Advantages and disadvantages</p> <p>Unit-VII Qualitative data analysis 6.1 Methods 6.2 Application</p>
Teaching & Learning Strategies	A combination of lecture, class participation, and discussions will be used to conduct the course. Students will be expected to read extensively ahead of each class session and actively participate in discussions.
Assignments	Written Assignment (10 marks), Presentation (5 marks) and Quiz (10 marks)

Recommended Reading Material	<p>Adler, E. S., & Clark, R. (2011). <i>An invitation to social research: How it's done</i>. Belmont, CA: Wadsworth.</p> <p>Babbie, E. R. (2016). <i>The practice of social research</i>. Singapore: Cengage Learning.</p> <p>Creswell, J. W. (2014). <i>Research design: Qualitative, quantitative, and mixed methods approaches</i>. Sage.</p> <p>Creswell, J. W., & Poth, C. N. (2017). <i>Qualitative inquiry and research design: Choosing among five approaches</i>. London: Sage Publications Limited.</p> <p>Denzin, N. K., & Lincoln, Y. S. (Eds.). (2011). <i>The Sage handbook of qualitative research</i>. London: Sage Publications Limited.</p> <p>Flick, U. (Ed.). (2009). <i>The sage qualitative research kit: Collection</i>. London: Sage Publications Limited.</p> <p>Gay, L. R., Mills, G. E., & Airasian, P. W. (2012). <i>Educational research: Competencies for analysis and applications</i>. Boston, MA: Pearson.</p> <p>McCormick, K., Salcedo, J., & Poh, A. (2015). <i>SPSS statistics for dummies</i>. Hoboken, NJ: John Wiley.</p> <p>Gorman, G. E., Clayton, P. R., Shep, S. J., & Clayton, A. (2005). <i>Qualitative research for the information professional: A practical handbook</i>. London: Facet Publishing.</p> <p>Holloway, I., & Brown, L. (2016). <i>Essentials of a qualitative doctorate</i>. London: Routledge.</p> <p>Maxim, P. S. (1999). <i>Quantitative Research Methods in the Social Sciences</i>. Oxford: Oxford University Press.</p>
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Assessment and Examinations:

Sr.#	Elements	Weightage	Details
1	Mid-Term Assessment	35%	Written test (at the mid-point of the semester)
2	Formative Assessment	25%	Project, presentation and quiz
3	Final Assessment	40%	Written test (at the end of the semester)