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| **Chapter # & Topic(s)** | **Suggested Readings** |
| 1. Introduction   * Definition of Quantitative Research | * Chapter 4 of Neuman (2014) * Chapter 1 of Bryman (2012) |
| * Positivist Social Research and its major assumptions |
| * Empiricism |
| 2. Planning and Designing Quantitative Research   * Quantitative Research Design: Definition, Characteristics, and Components | * Chapter 6 of Neuman (2014) * Chapter 6 of Bryman (2012) |
| * The Main Assumptions, Orientations, and Issues in Quantitative Research Design | * Chapter 6 of Neuman (2014) * Chapter 6 of Bryman (2012) |
| * Causal Theory and Hypothesis * Types of Hypotheses * Fallacy, Reductionism, Spuriousness | * Chapter 6 of Neuman (2014) |
| 3. Quantitative Measurements and Scaling   * Meanings of Measurement * Levels of Measurement * Conceptualization and Operationalization * Reliability and Validity * Purpose of Scaling * Types of Scaling * Rating Scaling * Use of Multi-dimensional Scaling | * Chapter 7 of Neuman (2014) * Chapter 3 of Sarantakos (1993) |
| 4. Sampling   * Probability and Non-Probability Sampling * Types and Techniques of Sampling * Sampling Frame * Sampling Size * Error and Control | * Chapter 8 of Neuman (2013) |
| 5. Data Collection in Quantitative Research   * 1. Survey Research * Definition of Survey * Steps in Conducting a Survey * Constructing the Questionnaire * Open and Closed Ended Questions * Types of Survey: Advantages and Disadvantages * Interviewing   1. Experimental Research * Definition and Meanings of Experimental Research * Components and Practice of Experimental Research | * Chapters 9-10 of Neuman (2013) |
| 6. Ethics in Quantitative Research | * Chapter 5 of Bryman (2012) * Chapter 5 of Neuman (2013) |
| 7. Data Analysis and Interpretation Techniques   * Basic Considerations * Managing Data * Inferential Statistics * Results with One, Two, and More than Two Variables * Introduction to Single and Bi-Variates * Introduction to Multivariate Analysis * Fundamentals of Factor Analysis * Computer Use for Data Analysis: Software for Analysing Quantitative Data | * Chapter 12 of Neuman (2013) * Chapter 14 & 15 of Bryman (2012) |

**Key Suggested Readings**

1. Bryman, A. (Ed.) (2012). *Social Research Methods* (4th ed.). Oxford: Oxford University Press.
2. Neuman, W. L. (2013). *Social Research Methods: Qualitative and Quantitative Approaches* (7th ed.). Pearson Education Limited: Essex.
3. Sarantakos, S. (1993). *Social Research*. Canberra: Macmillan Education Australia Pty Ltd.