

Name: Qualitative and Quantitative Data Analysis					
module/course code	Student workload	Credits (ECTS)	Semester V	Frequency ODD SEMESTER	Duration
IAP4103	510 (minutes/week)	4.53 ECTS			1x per semester
	Types of courses: Tutorial/Lecture/Response	Contact hours: 150 minutes/week		Independent study: 360 minutes/week	Class size X students: 30 Students (S1)
1	Prerequisites for participation -				
2	Learning outcomes				
	Students are able to demonstrate independent and quality performance in increasing understanding related to CPL qualitative and quantitative data analysis 2)				
	Students are able to study the development of science and technology related to qualitative and quantitative data analysis of public administration (CPL 3)				
	Students are able to make appropriate decisions in solving problems, answering research formulations using appropriate qualitative and quantitative data analysis according to research needs (CPL 5)				
	Students are able to document, store, secure, and rediscover data to ensure validity and prevent plagiarism in any research conducted (CPL 9)				
	Students are able to master and apply qualitative and quantitative analytical methods and techniques for research in the field of public administration. (CPL 11)				
3	Description: This course aims to provide students with knowledge and skills about various qualitative and quantitative data analysis techniques that are generally used in research in the field of public administration. After completing this course, students are expected to be able to understand and master various qualitative data analysis techniques (e.g. content analysis, narrative analysis, discourse analysis, framework analysis) and quantitative (e.g. probit/logit regression, structural equation modeling, longitudinal panel regression and multilevel modeling).) which is generally used in research in the field of public administration by using various data analysis software such as NVivo, SPSS and STATA.				
4	Subject aims/Content: 1. Objectives, differences and basic concepts of qualitative and quantitative data analysis in public administration research. 2. Understand the various types of qualitative data, their collection and documentation processes that are commonly used in public administration research. 3. Data analysis techniques in qualitative research start from content analysis to framework analysis. 4. Data analysis procedures and practices in content analysis. 5. Procedures and practices of data analysis in narrative analysis.				

	<p>6. Discourse analysis data analysis procedures and practices.</p> <p>7. Data analysis procedures and practices in the analysis framework.</p> <p>8. Understand the various types of quantitative data, their collection and documentation processes that are commonly used in public administration research.</p> <p>9. Procedure and practice of data analysis in probit/logit regression analysis.</p> <p>10. Procedure and practice of data analysis in oprobit/ologit regression analysis.</p> <p>11. Data analysis procedures and practices in structural equation modeling 1.</p> <p>12. Data analysis procedures and practices in structural equation modeling 2.</p> <p>13. Data analysis procedures and practices in panel data analysis 1.</p> <p>14. Data analysis procedures and practices in the data analysis panel 2.</p> <p>15. Data analysis procedures and practices in multilevel modeling 1. Data analysis procedures and practices in multilevel modeling 2.</p>
5	Teaching methods lectures, discussions
6	Assessment methods: assignments, Mid-Term Exam, Final-Term Exam, quizzes,
7	<p>Other information e.g. bibliographical references:</p> <p>Cresswel, John W. 2003. Research Design, Qualitative and Quantitative Approaches. Thousand Oaks: Sage Publications.</p> <p>Miles, Matthew B., Huberman, A. Michael, and Saldana, Johnny. 2014. Qualitative Data Analysis: A Methods Sourcebook. London: SAGE Publications Ltd.</p> <p>Neuman, W. Laurence. 2015. Social Research Methods: Qualitative and Quantitative Approaches. 8th edition. Pearson Education, limited.</p> <p>Jackson, K., & Bazeley, P. (2019). Qualitative data analysis with NVivo. SAGE Publications Limited.</p> <p>Miles, MB, Huberman, AM, & Saldana, J. (2014). Qualitative data analysis: a methods sourcebook.</p> <p>Ritchie, J., & Spencer, L. (2002). Qualitative data analysis for applied policy research. The qualitative researcher's companion, 573(2002), 305-29.</p> <p>Harding, J. (2018). Qualitative data analysis: From start to finish. SAGE Publications Limited.</p> <p>Kohler, U., & Kreuter, F. (2005). Data analysis using Stata. Stat press.</p> <p>Mason, J. (2002). Linking qualitative and quantitative data analysis. In Analyzing qualitative data (pp. 103-124). Routledge.</p> <p>Bryman, A., & Cramer, D. (2009). Quantitative data analysis with SPSS 14, 15 & 16: A guide for social scientists. Routledge/Taylor & Francis Group.</p> <p>Blaikie, N. (2003). Analyzing quantitative data: From description to explanation. Sage.</p> <p>Miller, J.E. (2013). The Chicago guide to writing about multivariate analysis. University of Chicago Press.</p> <p>Sandelowski, M. (1998). Writing a good read: Strategies for representing qualitative data. Research in nursing & health, 21(4), 375-382.</p>