TITLE OF THE COURSE:	Statistical Analysis in Scientific Research
Course code:	EDU6013
Course group:	C
Faculty:	Faculty of Social Sciences
Study program:	Educational Management
Level:	Master's
Semester:	Autumn
ECTS credits:	6
Language of instruction	English
Course lecturer/s:	Assoc. prof., dr. Aušra Rutkienė
Short course description:	This course provides fundamental ideas and techniques of statistical modelling with emphasis on the analysis of real data sets from a variety of fields, using Statistical Package for Social Sciences (SPSS). This course provides understanding about data collection, data presentation, testing hypotheses, drawing conclusions. After completion of the course students will be able to collect data, to present data, to test hypothesis
Course content:	Object of research. Overview of research methods. Planning of quantitative research. Data collection. Descriptive statistics. Parametric hypothesis. Non-parametric hypothesis. Multivariate statistics. Presenting of results, conclusions, discussion.
Grading and evaluating student work in class and/or at the final exam:	Colloquium – 20%, students' work during seminars with computers – 15%, home work – 15 %, final examination – 50%.
Required reading and additional study material	• Connolly P., Quantitative data analysis in education: critical introduction using SPSS (2007), London; New York (N.Y.): Routledge • Gorard S., Quantitative methods in educational research: the role of numbers made easy, 2007, London; New York [N.Y.]: Continuum
Additional information (if applicable)	