

**Learner outcome****Assessment criteria**

1. Use SPSS / Statistica to analyse data statistically	Construction of tables and graphs from statistical results created from given data
2. Summary and description of data	Calculation of descriptive statistics, construction of frequency tables and graphs from data and the interpretation of it
3. Determine relationships between variables	Calculation and interpretation of correlations and regression equations from data, determination of relationships from 2-way frequency tables
4. Compare means of populations	Interpretation of computer results of t-tests and ANOVA, post hoc comparisons
5. Determine the effects of more than one factor and correction for covariates	Interpretation of 2- and more way ANOVA- en ANCOVA- tables
6. Determine the assumptions under which statistical analyses can be done	Interpretation of diagnostic graphs and tables using computer output
7. Apply nonparametric methods	Calculation of test statistics and interpretation of tests given as computer output
8. Determine construct validity and reliability of questionnaires/test measuring instrument	Interpretation of factor analysis output and values of Cronbach-alpha
9. Design of simple experiments and methods to draw samples	Planning of experiments and sampling method in given problem