

<b>Course Code</b>	<b>Statistics for Business &amp; Economics II</b> UNYP 21332
<b>Level</b>	Upper-level course in a Bachelor's degree program
<b>Credits</b>	3 semester credits / 6 ECTS
<b>Pre-requisite(s)</b>	C- or better in Statistics for Business & Economics II

<b>Scheduled meetings</b>	45 hours
<b>Average preparation time</b>	105 hours
<b>Total student work time</b>	150 hours

**Description** The course consists of survey of statistical methods useful primarily to students of business and information science. The emphasis of the course is on the principles of statistical inference, regression analysis and time series analysis. To a large extent it deals with statistical methods and tools applied to decision-making procedures in economics and business.

**Learning outcomes** Upon successfully completing this course, the student will be able to:

- understand the theoretical concepts of estimating population values and hypothesis testing;
- compare two samples using proper statistical methods;
- understand the basic principles of regression and correlation theory;
- apply linear and nonlinear regression analysis with one independent variable;
- apply linear regression analysis with more than one independent variable;
- understand and apply various methods of time series analysis;
- Interpret computer outputs and routinely use computers in statistical analyses.

**Study literature** Business Statistics. Groebner, D.F., Shannon, P.W., Fry, P.C., Smith, K.D. Prentice-Hall. Year: 2001 (Edition 5)

Additional readings available on UNYP E-Learn or in the UNYP Library.

All courses are taught in English, with the exception of language courses. UNYP's 3-year and 4-year Bachelor's programs are accredited by the Czech Accreditation Commission, a part of the Czech Ministry of Education, Youth and Sports, and lead to the award of a *bakalář* (Bachelor's) degree. UNYP's 3-year Bachelor's of Business degree is also accredited by the the U.S.-based International Assembly for Collegiate Business Education (IACBE), a CHEA-recognized accreditor.