



General information		
Course instructor	Anita Čeh Časni, PhD, Associate Professor	
Name of the course	Statistics	
Study programme	Undergraduate study: Business Economics in Tourism and Hospitality Module: Hospitality Management	
Status of the course	compulsory	
Year of study	1 <sup>st</sup>	
ECTS credits and manner of instruction	ECTS credits	6 ECTS
	Number of class hours (L+E+S)	60 (30 + 15 + 15)
<b>1. COURSE DESCRIPTION</b>		
<b>1.1. Course objectives</b>		
Acquiring theoretical knowledge about the concepts of interest and gaining practical skills for appropriate statistical analysis and results interpretation.		
<b>1.2. Course enrolment requirements</b>		
No special requirements		
<b>1.3. Expected learning outcomes</b>		
After completing the course students will be able to:		
1. Explain the basic concepts of statistics		
2. Calculate and interpret statistical indicators (numerically, graphically and textually)		
3. Extract and analyse publicly available statistics		
4. Draw conclusions about the analysed phenomenon based on implemented statistical methods		
<b>1.4. Course content</b>		
<p><i>Introduction.</i> Defining statistics. Types of statistics. Basic statistical terms. Statistical data (types and sources). Statistical data bases. Internet as data source. Computer software packages for statistical analysis. Data analysis with descriptive statistics. Tables. Graphs. Relative numbers. Analysis of numerical variables (scales) using descriptive statistics.</p> <p><i>Sampling distribution.</i> Samples. Sampling distributions. Population parameter estimates (confidence intervals for mean, total, proportion). Hypothesis testing. One sample hypothesis testing for mean and proportion. Comparing parameters of different populations.</p> <p><i>Correlation and regression analyses.</i> The concept of correlation and regression analyses. Regression model. Simple regression model. Linear correlation. Simple linear correlation coefficient. Spearman's rho coefficient. Applying regression model in economic analysis.</p> <p><i>Basic analysis of time series.</i> Definition of time series. Types of time series. Graphic presentation and comparison of time series. Indicators of dynamics. Indices. Trend models</p>		
<b>1.5. Manner of instruction</b>	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input type="checkbox"/> distance learning <input type="checkbox"/> fieldwork	<input checked="" type="checkbox"/> individual assignments <input type="checkbox"/> multimedia and network <input type="checkbox"/> laboratories <input type="checkbox"/> mentorship <input type="checkbox"/> other
<b>1.6. Comments</b>		
<b>1.7. Student responsibilities</b>		
Classes will be organized as lectures and seminars. Seminar classes will include workshops during which students will solve practical problems concerning course content. Attendance to lectures and seminar classes is compulsory.		



1.8. <i>Monitoring of student work<sup>1</sup></i>							
Class attendance	<b>2,0</b>	Class participation	<b>0,5</b>	Seminar paper		Experimental work	
Written exam	<b>1,0</b>	Oral exam		Essay		Research	
Project	<b>1,5</b>	Continuous assessment	<b>1</b>	Report		Practical work	
Portfolio							
1.9. <i>Assessment of learning outcomes in class and at the final exam (procedure and examples)</i>							
Assessment and evaluation of students in classes and at the final exam is conducted under the Rulebook on students' evaluation at the Faculty of Tourism and Hospitality Management. For each there is a detailed course syllabus which coordinates activities, student load, learning outcomes and evaluation methods.							
1.10. <i>Mandatory literature (at the time of submission of study programme proposal)</i>							
1. Newbold, P., Carlson, W. & Thorne, B. (2020). Statistics for business and economics (9th Edition). Pearson Education Limited.							
1.11. <i>Optional/additional literature (at the time of submission of the study programme proposal)</i>							
1. David M. Levine; David F. Stephan; Kathryn A. Szabat (2021). Statistics for Managers Using Microsoft Excel. 9th Edt. Pearson Prentice Hall.							
2. McClave, J. T., Benson, P. G., & Sincich, T. T. (2018). Statistics for business and economics (13th edition). Pearson Prentice Hall.							
1.12. <i>Number of assigned reading copies in relation to the number of students currently attending the course</i>							
<i>Title</i>						<i>Number of copies</i>	<i>Number of students</i>
Newbold, P., Carlson, W. & Thorne, B. (2020). Statistics for business and economics (9th Edition). Pearson Education Limited.						-	
1.13. <i>Quality monitoring methods that ensure the acquisition of exit knowledge, skills and competences</i>							
The quality of the program, the teaching process, the teaching skills and the level of the material acceptance will be established by means of a written evaluation of the extensive questionnaires and in other ways envisaged by the accepted standards, in accordance with the Rulebook on Quality Assurance and Improvement of the University of Rijeka and the Quality Assurance and Improvement of the Faculty of Tourism and Hospitality Management.							

<sup>1</sup> IMPORTANT: Enter the appropriate proportion of ECTS credits for each activity so that the total number of credits equals the ECTS value of the course. Use empty fields for additional activities.