



Table 2-

Course description

COURSE DESCRIPTION		
Course instructor	SUZANA MARKOVIĆ, PhD, Full Professor	
Name of the course	STATISTICS	
Study programme	Management of sustainable development	
Status of the course	compulsory	
Year of study	1 st	
ECTS credits and manner of instruction	ECTS credits	6
	Number of class hours (L+E+S)	60 (30 + 15 + 15)
1. Course objectives		
Acquiring theoretical knowledge about the concepts of interest and gaining practical skills for appropriate statistical analysis and results interpretation.		
2. Course enrolment requirements		
No special requirements		
3. Expected learning outcomes		
<p><i>General competences:</i> acquiring theoretical knowledge about the course concepts and gaining skills for calculating specific statistical indicators.</p> <p><i>Specific competences:</i> ability for conducting research projects, analyzing collected data, interpreting calculated statistical indicators, using the main statistical computer software package.</p>		
4. Course content		
<p><i>Introduction.</i> Defining statistics. Types of statistics. Basic statistical terms. Statistical data (types and sources). Statistical data basis. 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>		
5. Manner of instruction	<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
6. Comments		



7. Student responsibilities

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 obligatory.

8. Monitoring of student work¹

Class attendance	2,4	Class participation		Seminar paper		Experimental work	
Written exam	1,1	Oral exam		Essay		Research	
Project	0,8	Continuous assessment	1,7	Report		Practical work	
Portfolio							

9. Assessment of learning outcomes in class and at the final exam (procedure and examples)

Assessment and evaluation of students in classes and at the final exam is conducted under the Rulebook on evaluation of students at the Faculty of tourism and hospitality management. For each course it is made a detailed course syllabus which coordinates activities, student load, learning outcomes and evaluation methods.

10. Mandatory literature (at the time of submission of study programme proposal)

1. Šošić, I., *Primijenjena statistika*, Školska knjiga, Zagreb, 2006.
2. Horvat, J., Mijoč, J., *Osnove statistike*, Naklada Ljevak, Zagreb, 2012.
3. Dumičić, K., Bahovec, V., et al., *Poslovna statistika*, Element, Zagreb, 2011.

11. Optional/additional literature (at the time of submission of the study programme proposal)

1. Biljan-August, M., Pivac, S., Štambuk, A., *Upotreba statistike u ekonomiji*, Sveučilište u Rijeci, Ekonomski fakultet u Rijeci, Rijeka, 2007.
2. Šošić, I., *Statistika*, Školska knjiga, Zagreb, 2004.
3. Newbold, P., Carlson, W. L., Thorne, B. T., *Statistics for Business and Economics*, 5th edition, Prentice Hall, New Jersey, 2003.

12. Quality monitoring methods that ensure the acquisition of exit knowledge, skills and competences

The quality of the programme, teaching process, teaching skills and level of acquired course matter will be evaluated in writing, by means of extensive questionnaires and by employing other methods that are in accordance with the accepted standards and with the Book of regulations on the quality of the University of Rijeka, as well as the Book of regulations on the quality of the Faculty of tourism and hospitality management.

¹ 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.