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SVEUČILIŠTE U RIJECI UNIVERSITY OF RIJEKA
FAKULTET ZA MENADŽMENT U TURIZMU I UGOSTITELJSTVU
FACULTY OF TOURISM AND HOSPITALITY MANAGEMENT
OPATIJA, HRVATSKA CROATIA

GENERAL INFORMATION		
Course coordinator	**Anita Čeh Časni, PhD, Associate Professor** **Jelena Dorčić, PhD, Assistant Professor**	
Course title	**Statistics**	
Study programme	**Undergraduate study: Business Economics in Tourism and Hospitality**	
Course status	**Module: Hospitality Management**	
Year	**compulsory**	
ECTS credits and form of instruction	ECTS credits	**6 ECTS**
	Number of hours (L+P+S)	**60 (30 + 15 + 15)**

COURSE DESCRIPTION

1.1. Course objectives

Acquiring theoretical knowledge about the concepts of interest and gaining practical skills for appropriate statistical analysis and results interpretation.

1.2. Course enrolment requirements

No special requirements

1.3. Expected course learning outcomes

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

1.4. Course content

Introduction. 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.

Sampling distribution. 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.

Correlation and regression analyses. 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.

Basic analysis of time series. Definition of time series. Types of time series. Graphic presentation and comparison of time series. Indicators of dynamics. Indices. Trend models.

1.5. Types of teaching (add an 'X')	☒ lectures ☒ seminars and workshops ☒ practicals ☐ distance learning ☐ field-based learning	☒ independent tasks ☐ multimedia and network ☐ laboratory ☐ mentoring work ☐ other _____

1.6. Students' obligations

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.

1.7. Monitoring students' work (indicate the relevant form of monitoring by adding an 'X')

Course attendance	x	Activity / Participation	x	Seminar paper		Experimental work	
Written exam	x	Oral exam		Essay		Research	
Project	x	Continuous assessment	x	Report		Practice	
Portfolio							

1.8. Assessment and evaluation of student work during classes and at the final exam

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.

1.9. Essential reading and the number of copies provided in relation to the current number of course participants

Title	Number of copies	Number of students
Newbold, P., Carlson, W. & Thorne, B. (2023). Statistics for business and economics (10th Edition). Pearson Education Limited.	3	

1.10. Additional reading

1. Anderson, D. R., Sweeney, D. J, Williams, T. A., Camm, J. D., Cochran, J. J. (2017). Statistics for business and economics (13th edition). Cengage Learning.
2. David M. Levine; David F. Stephan; Kathryn A. Szabat (2021). Statistics for Managers Using Microsoft Excel. 9th Edt. Pearson Prentice Hall.
3. McClave, J. T., Benson, P. G., & Sincich, T. T. (2018). Statistics for business and economics (13th edition). Pearson Prentice Hall.

1.11. Quality monitoring methods ensuring the acquisition of expected knowledge, skills and competencies

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.