

## DESCRIPTION OF A STUDY COURSE – SYLLABUS

<b>Title of a course</b>	Statistics for Entrepreneurs				
<b>Head of course</b>	PhD Sanja Raspor Janković, Senior Lecturer				
<b>Study programme</b>	Professional undergraduate study Entrepreneurship				
<b>Status of a course</b>	Obligatory				
<b>Year of study</b>	1.	<b>Semester</b>	I.	<b>ECTS credits</b>	5
<b>Teaching plan (L + E + S+ Pr)</b>	2L + 2E				
<b>Goals of a course</b>					
To acquire theoretical and practical knowledge necessary for implementation of statistical data analysis and interpretation of the results.					
<b>Conditions for enrolling course</b>					
No conditions					
<b>Learning outcomes on a level of a study programme which includes course</b>					
<p>Outcome 1: Apply appropriate methods and procedures in preparing information for business decisions.</p> <p>Outcome 3: Identify and evaluate key performance indicators of companies for management and decision making.</p> <p>Outcome 4: Identify and value entrepreneurial opportunities.</p> <p>Outcome 5: Design and substantiate an entrepreneurial idea through a business plan.</p> <p>Outcome 6: Create a plan for purchasing, sales and marketing activities.</p> <p>Outcome 7: Analyse and evaluate financial information.</p> <p>Outcome 14: Apply basic environmental research methods.</p> <p>Outcome 15: Independently prepare and present professional content using information and communication tools.</p>					
<b>Expected learning outcomes on a level of a course</b>					
<ol style="list-style-type: none"> <li>Determine the characteristics of observed phenomena using descriptive statistics methods.</li> <li>Determine the characteristics of the observed phenomena on the basis of calculated indicators of inferential statistics.</li> <li>Determine correlation and regression between observed variables.</li> <li>Analyse the movement of an observed phenomenon over a period of time.</li> <li>Conduct a statistical analysis of the collected data and interpret the obtained results.</li> </ol>					
<b>Content of a course</b>					
Basic concepts. Data preparation. Graphic display of data. Relative numbers. Introduction to the analysis of numeric line. Average values. Measures of dispersion. Measures of asymmetry. Measures of kurtosis. Methods of sampling. Regression and correlation analysis. Regression model. Coefficients of correlation. Basic analysis of time series. Individual and group indices. Models of trend.					
<b>Teaching modes</b>	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> auditory exercises <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> distance learning <input type="checkbox"/> field classes		<input checked="" type="checkbox"/> individual assignments <input type="checkbox"/> multimedia and network <input type="checkbox"/> laboratory <input type="checkbox"/> supervisor's work <input type="checkbox"/> other _____		
<b>Comments</b>					
<b>Students' obligations</b>					
The condition for taking a comprehensive exam during the examination period: students should collect and analyse acquired data according to teacher's instruction (outcome 5)					
<b>Grading, evaluation and monitoring of students' work continuously during lectures and exams</b>					

Grading is based upon evaluation of course's learning outcomes' adoption. Grading is performed continuously during lectures and/or during exam, in compliance with the provisions of Regulation on the assessment of students.

#### Continuous check-up:

Outcomes	Pre-exam I	Pre-exam 2	Test	Home assignment	Threshold	Max
Outcome 1	32%		9%		20,5%	41%
Outcome 2		10%	5%		7,5%	15%
Outcome 3		14%	3%		8,5%	17%
Outcome 4		14%	3%		8,5%	17%
Outcome 5				10%	5%	10%
Percentage of ECTS	1,5	2	1	0,5		6
Total	32%	38%	20%	10%	50%	100%

A student has passed the exam if he has acquired a percentage of credits for each learning outcome higher or equal to defined threshold.

#### Exam term:

Outcomes	Written exam	Oral exam	Max
Outcome 1	41%		41%
Outcome 2	15%		15%
Outcome 3	17%		17%
Outcome 4	17%		17%
Outcome 5	6%	4%	10%
Percentage of ECTS	4,8	0,2	5
Total	96%	4%	100 %

A student has passed the exam if he has acquired a percentage of credits for each learning outcome higher or equal to defined threshold.

#### Grading:

A student has passed the exam if he has acquired at least 50% of anticipated credits of a specific learning outcome.

If a student has passed learning outcomes of all courses, the accomplished credits (percentages) of all passed learning outcomes are being added, while the final grade is defined upon following table:

Range of credits (percentages)	Numerical grade	ECTS grade
90,00 – 100,00	Excellent (5)	A
75,00 – 89,99	Very good (4)	B
60,00 – 74,99	Good (3)	C
50,00 – 59,99	Sufficient (2)	D
0,00 – 49,99	Insufficient (1)	F

#### Obligatory literature

1. Marković, S., Raspor, S., Statistika, priručnik, Veleučilište u Rijeci, Rijeka, 2008.
2. Štambuk, Lj., Devčić, K., Statistika – priručnik i zbirka zadataka, Veleučilište Nikola Tesla u Gospiću, Gospić, 2010.

#### Additional literature

1. Šošić, I., Primijenjena statistika, Školska knjiga, Zagreb, 2006.
2. Horvat, J., Mijoč, J., Osnove statistike, Naklada Ljevak, Zagreb, 2012.

