DETAILED COURSE CURRICULUM

GENERAL INFORMATION		
Course name	**Statistics**	
Study programme	Business Economics in Tourism and Hospitality - module Hospitality Management	
Year of study	1st	
Course status	Mandatory	
Course web site	Link to the Merlin course	
Evaluation in points and forms of classes:	*ECTS coefficient of student workload*	6
	Number of classes (L+P+S)	30 + 15 + 15
Course holder	*Name and surname*	Associate Professor Anita Čeh Časni, PhD
	Office	308
	Office hours OPATIJA: Monday 10.00 a.m. - 12.00 p.m. (online) Friday 3.30 p.m. - 5.30 p.m.	
	Telephone	+385 1 238 3361
	e - mail	acehcasni@net.efzg.hr
Course assistant	*Name and surname*	Jelena Dorčić, Phd, Postdoctoral researcher
	Office	308
	Office hours OPATIJA: Tuesday 1.00 p.m. – 3.00 p.m. Wednesday 2.30 pm – 4.30 p.m.	
	Telephone	051/294-239
	e - mail	jdorcic@fthm.hr
COURSE DESCRIPTION		

Course objectives

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

Expected learning outcomes related to the Course

After passing the exam, the student is expected to 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

Teaching methods

Lectures, Seminars, Exercises, Individual assignments

Students' obligations and method of evaluating the obligations (integration of learning outcomes, teaching methods and assessment)

Activity type	ECTS credits assigned to the activity	Learning outcomes	Student activity	Assessment method	Credits (maximum per value)
Class attendance	2,0	1 - 4	Attendance: >75%	Evidence of class attendance	0
Class participation	0,5	1-4	Quizzes & Tests before or after the class	Evaluation of the accuracy of solved tasks	20
Project	1,5	1-4	Solving homework assignments	The accuracy of solved problem, quality of interpretation and explanation of the results	10
Continued test (mid-term exam)	1	1- 4	Preparation for the periodic test	Evaluation of theoretical and practical questions, the accuracy of solved problem, quality of interpretation and explanation of the results.	1st mid-term exam: 20 2nd mid-term exam: 20
Final exam	1,0	1 - 4	Preparation for the final exam	0-30 credits	30
Total ECTS credits	6			**Total credits**	100

Notes and activity description

Students will have opportunity to use MyLab Statistics (Pearson) which is the online learning platform that combines obligatory book content with digital tools to help students master the course.

Class participation
Occasionally before or after the class students will need to solve quizzes and test that will be available through MyLab Statistics. MyLab Statistics will automatically grade online tests and track all student results. Maximum credits that they could achieved by solving this task is 20%.

Project
After each class student will have homework assignments available in MyLab Statistics. Homework assignments are set for unlimited access up until the due date, and students have three attempts per

question before it is scored as incorrect. All homework assignments contain learning aids to help students through the material. MyLab Statistics will automatically grade online homework assignments and track all student results. Maximum credits that they could achieved by solving this task is 10%.

Midterm exam
Students will have written midterms colloquiums: 1st and 2nd midterm tests. Midterms are not obligatory but recommended. The exam includes both practical and theoretical questions. A student should:
- Mark (round) the correct answer of the multiple choice question with an obligatory explanation of the choice
- Solve the statistical problems with precisely given answers to the questions with interpretations and full written explanations

1st Midterm exam will be on 25th November 2022 and will cover first part of curriculum (L1/T1 – L7/T7) and 2nd Midterm will be on 27th January 2023 (L8/T8 – L10/T10) and will cover second part of curriculum.

Students can take the final exam if they have achieved a minimum of 75% attendance at classes and if they achieved a minimum of 35% credits in the activities offered during the teaching process.

The structure of questions on final exam will be like midterm exams but will cover all courses' topics.

Assessment method

The assessment and the evaluation of the students' work during the class and on the final exam is carried out according to the Rulebook on evaluation of students at the Faculty of Tourism and Hospitality Management.

REFERENCES

Obligatory references

1. Newbold, P., Carlson, W. & Thorne, B. (2020). Statistics for business and economics (9th Edition). Pearson Education Limited.

Additional references

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

Quality and course performance monitoring method

The quality of lectures is monitored according to the regulations of the University of Rijeka. In the last weeks of lectures of the current semester, an anonymous survey is conducted to let students evaluate the quality of lectures in the Course.

EXAM DEADLINES

Do not enter the terms but the following text:

For undergraduate study:
The schedule of exam deadlines is available at the link: https://www.fthm.uniri.hr/studiji/preddiplomski-sveucilisni-studij/ispiti

ADDITIONAL COURSE INFORMATION

Method of informing the students

The students are informed on the course through the Merlin system and the Faculty web site https://www.fthm.uniri.hr/.
Regular information is the personal responsibility of the student.

	LECTURES SCHEDULES				
	FULL-TIME STUDIES				

The lectures of the course will be held according to the following schedule:

N.	Date/Hour s from – till / Hall	Lecture type	Topic	Group	Coordinator
1	07/10/2022 2.00 – 3.30 pm Hall B1	L	L0: Introduction: Why Study Statistics? L1: - Describing Data- Tables and Graphs.	HM	Anita Čeh Časni
	3.30 – 5.00 pm Hall B1	S and E	T1: - Describing Data- Tables and Graphs. Examples / case studies of business applications.	HM	Jelena Dorčić
2	14/10/2022 2.00 – 3.30 pm Hall B1	L	L2_1: Describing Data – Numerical Measures.	HM	Anita Čeh Časni
	3.30 – 5.00 pm Hall B1	S and E	L2_1: Describing Data – Numerical Measures. Examples / case studies of business applications.	HM	Jelena Dorčić
3	21/10/2022 2.00 – 3.30 pm Hall B1	L	L2_2: Summarizing Descriptive Relationships.	HM	Anita Čeh Časni
		S and E	T2_2: Summarizing Descriptive Relationships.	HM	Jelena Dorčić
4	28/10/2022 2.00 – 3.30 pm Hall B1	L	L3: Probability. Basic definitions and rules. Examples of business applications. L4: Discrete Random Variables and Probability Distributions. Examples / case studies of business applications.	HM	Anita Čeh Časni
	3.30 – 5.00 pm Hall B1	S and E	T3: Probability. Basic definitions and rules. Examples of business applications. T4: Discrete Random Variables and Probability Distributions. Examples / case studies of business applications.	HM	Jelena Dorčić
5	04/11/2022 2.00 – 3.30 pm Hall B1	L	L5: Continuous random variables and Probability Distributions.	HM	Anita Čeh Časni
	3.30 – 5.00 pm Hall B1	S and E	T5: Continuous random variables and Probability Distributions. Examples / case studies of business applications.	HM	Jelena Dorčić
6	11/11/2022 2.00 – 3.30 pm Hall B1	L	L6: Sampling, Sampling Distributions. L7: Point and Interval Estimation- Single Sample.	HM	Anita Čeh Časni
	3.30 – 5.00 pm Hall B1	S and E	T6: Sampling, Sampling Distributions. T7: Point and Interval Estimation- Single Sample. Examples / case studies of business applications	HM	Jelena Dorčić
7	25/11/2022 2.00 – 3.30 pm Hall B1	L	**First Midterm exam**	HM	Anita Čeh Časni
	3.30 – 5.00 pm Hall B1	S and E	**First Midterm exam**	HM	Jelena Dorčić

8	26/11/2022 2.00 – 3.30 pm Hall B1	L	L8_1: Hypothesis Testing.	HM	Anita Čeh Časni
	3.30 – 5.00 pm Hall B1	S and E	T8_1: Hypothesis Testing. Examples / case studies of business applications	HM	Jelena Dorčić
9	02/12/2022 2.00 – 3.30 pm Hall B1	L	L8_2: Hypothesis Testing.	HM	Anita Čeh Časni
	3.30 – 5.00 pm Hall B1	S and E	T8_2: Hypothesis Testing. Examples / case studies of business applications	HM	Jelena Dorčić
10	09/12/2022 2.00 – 3.30 pm Hall B1	L	L9_1: Correlation and Simple Linear Regression.	HM	Anita Čeh Časni
	3.30 – 5.00 pm Hall B1	S and E	T9_1: Correlation and Simple Linear Regression. Examples / case studies of business and economics applications.	HM	Jelena Dorčić
11	16/12/2022 2.00 – 3.30 pm Hall B1	L	L9_2: Correlation and Simple Linear Regression.	HM	Anita Čeh Časni
	3.30 – 5.00 pm Hall B1	S and E	T9_2: Correlation and Simple Linear Regression. Examples / case studies of business and economics applications.	HM	Jelena Dorčić
12	23/12/2022 2.00 – 3.30 pm Hall B1	L	L9_3: Multiple Linear Regression.	HM	Anita Čeh Časni
	3.30 – 5.00 pm Hall B1	S and E	T9_3: Multiple Linear Regression. Examples / case studies of business and economics applications.	HM	Jelena Dorčić
13	13/01/2023 2.00 – 3.30 pm Hall B1	L	L10_1: Time Series Analysis and Forecasting. Index numbers. Deflation. Trend models.	HM	Anita Čeh Časni
	3.30 – 5.00 pm Hall B1	S and E	T10_1: Time Series Analysis and Forecasting. Index numbers. Deflation. Trend models.	HM	Jelena Dorčić
14	20/01/2023 2.00 – 3.30 pm Hall B1	L	L10_2: Time Series Analysis and Forecasting. Index numbers. Deflation. Trend models.	HM	Anita Čeh Časni
	3.30 – 5.00 pm Hall B1	S and E	T10_2: Time Series Analysis and Forecasting. Index numbers. Deflation. Trend models.	HM	Jelena Dorčić
15	27/01/2023 2.00 – 3.30 pm Hall B1	L	**Second Midterm Exam**	HM	Anita Čeh Časni
	3.30 – 5.00 pm Hall B1	S and E	**Second Midterm Exam**	HM	Jelena Dorčić