

Šibenik University of Applied Sciences

Trg Andrije Hebranga 11, 22000 Šibenik <u>www.vus.hr</u>, dekanat@vus.hr





DEPARTMENT OF MANAGEMENT PROFESSIONAL GRADUATE STUDY MANAGEMENT

Erasmus+ Course Catalogue

Academic year 2024-2025

Dean PhD Ljubo Runjić, college professor Head of department Divna Goleš, s.lec.

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Contents

Course list	3
Full Course Curricula	4
Statistics	5
Cost managemet	12
Economics of information systems and software	
Market research	
Financial Management	

Course list

Professor Component code		Course	ECTS
Perišič A		Statistics	6
Grubišić A.		Cost management	4
Urem F.		Economis of information systems and software	4
Lugović G.		Psychology for managers	
Šišara J.		Market resarch	4
Žaja J.		Financial management	6
Beljo I./ Perišić A.		Quantitative methods for business decision-making	6

Full Course Curricula

1. GENERAL INFORMATION							
1.1. Course lecturer	Ana Perišić	1.8. Course code in ISVU	130477				
1.2. Course title	Statistics	1.9. Course code in MOZVAG					
1.3. Assistants and/or associates		1.10. Forms of teaching (number of hours Lecturing +Practical exercises + Seminars + e learning)	(45+30+0+0)				
1.4. Study programme (specialist, undergraduate, graduate)	Graduate Study Programme Management	1.11. Level of e- learning application (1 st , 2 nd , 3 rd level), percentage of on line course performance (max. 20%)	1 st , course materials are on-line, 0%				
1.5. Course status (obligatory, optional)	Obligatory	1.12. Number of course revisions	3.				
1.6. Year of study	1st	1.13. Modernization	Yes				
1.7. Credit score (ECTS)	6	1.14. Percentage estimate of course changes and/or supplements	Less than 20% X□ More than 20% □				
2. COURSE DESCRIPTION							
2.1. Course objectives	Provide theoretical and practical know	wledge which enables students to develop and apply acquired skills	for economic-statistical analysis.				
2.2. Terms of course entry and required competences	4 year secondary education complete	d; qualification level 4.2 according to the CROQF.					
2.3. Learning outcomes on the study programme level	 LO 4: To analyze and interpret key business trends and innovations in the micro and macro business environment and propose innovative solutions and tactics of innovation in business. LO 5: To use probabilistic models for different discrete and continuous stochastic phenomena, assess population parameters, set statistical hypotheses, conduct tests and basic statistical analyses with support of computer tools LO 7: To apply and valorize qualitative and quantitative methods of business decision-making in solving economic and managerial problems through program support LO 10: To select a research method, conduct market research and interpret the results of the research carried out 						
2.4. Expected learning outcomes on the course level	Learning outcomes according to the Bloom`s taxonomy: (up to two verbs per LO)						

	2. 7 3. 7 4. 7 5. 7 6. 7	 To set the statistical hypothesis, conduct the statistical test and derive conclusions about the population. 						
	Cons	tructive allignement						
	no	Thematic unit	LO of the course	Content/teaching methods	Evaluation		Time	
		Introduction into the course and detailed plan.	-	Attending lectures. Familiarize with course content, e-learning documents, literature and students' obligations.	Students will independently prepare a project where they will have to prepare and carry out basic statistical analysis (exploratory and inferential) for business problems by using MS Excel.		1 h	
2.5. Course content according to detailed curriculum schedule	1.	Data collection. Exploratory analysis. Population, sample, variable, parameters.	1	Attending lectures. Actively involving students through problem solving and discussion.			4h 7 h	
	2.	Descriptive statistics. Measures of central tendency, measures of dispersion, asymmetry measures, kurtosis, standardized values, Chebyshev's rule.	1	Attending lectures. Actively involving students through problem solving and discussion.	Students will independently prepa project where they will have to pr and carry out basic statistical anal (exploratory and inferential) for b problems by using MS Excel.	repare lysis	5h 7h	
	3.	Sample space. Probability. Probability space. Conditional probability. The law of total probability	2	Attending lectures. Actively involving students through problem solving and discussion.	Students will explain basic concersolve basic problems in the field of probability theory through colloque written/oral exams.	of	5h 7h	

	4.	Sample space. Probability space. Probability. Conditional probability. The law of total probability	2	Attending lectures. Actively involving students through problem solving and discussion.	Students will explain basic concepts and solve basic problems in the field of probability theory through colloquia or written/oral exams.	5h 7h	
	5.	Random variable. Discrete and continuous distributions. Expectation, variance. Discrete random variables and their applications. Binomial, Poisson, hypergeometric and uniform distribution.	3	Attending lectures. Actively involving students through problem solving and discussion.	Students will select and apply probability models for different discrete and continuous stochastic phenomena through colloquia or written/oral exams.	5h 7h	
	6.	Continuous distribution. Gaussian distribution.	3	Attending lectures. Actively involving students through problem solving and discussion.	Students will select and apply probability models for different discrete and continuous stochastic phenomena through colloquia or written/oral exams.	5h 7h	
	7.	Two-dimensional random variable. Marginal distribution. Independence. Conditional distribution. Covariance. Correlation coefficient. Exam preparation.	2,3,6	Attending lectures. Actively involving students through problem solving and discussion. Group problem solving and discussion. Exam preparation.	Students will explain basic concepts and solve basic problems in the field of probability theory, they will select and apply probability models for different discrete and continuous stochastic phenomena through colloquia or written/oral exams. As a part of their practical project, students will perform correlation and regression analysis, comment the results and draw a conclusion about the relationship between variables.	5h 7h	
	8.	Sampling. Sampling distribution for the sample mean, proportion and variance.	4	Attending lectures. Actively involving students through problem solving and discussion.	Students will estimate population parameters (point and interval estimates) and derive conclusions about the population through colloquia or written/oral exams.	5h 7h	
	9.	Sampling. Sampling distribution for the sample mean, proportion and	4	Attending lectures. Actively involving students through	Students will estimate population parameters (point and interval estimates)	5h 7h	

	variance. Estimating the mean,		problem solving and	and derive conclusions about the	
	proportion and standard deviation. Confidence intervals.		discussion.	population through colloquia or written/oral exams.	
10.	Hypothesis testing. Sample size, significance level. Hypothesis testing for the mean proportion, variance.	5	Attending lectures. Actively involving students through problem solving and discussion.	Students will set the statistical hypothesis, conduct the statistical test and derive conclusions about the population through colloquia or written/oral exams.	5h 7h
11.	Hypothesis testing. Hypothesis testing for the mean proportion, variance.	5	Attending lectures. Actively involving students through problem solving and discussion.	Students will set the statistical hypothesis, conduct the statistical test and derive conclusions about the population through colloquia or written/oral exams.	5h 7h
12.	Comparing population parameters. Hypothesis testing. Comparing population means, proportions.	4, 5	Attending lectures. Actively involving students through problem solving and discussion.	Students will estimate population parameters (point and interval estimates) and derive conclusions about the population and set the statistical hypothesis, conduct the statistical test and derive conclusions about the population through colloquia or written/oral exams.	5h 7h
13.	Comparing population parameters. Hypothesis testing. Comparing population means, proportions.	4, 5	Attending lectures. Actively involving students through problem solving and discussion.	Students will estimate population parameters (point and interval estimates) and derive conclusions about the population and set the statistical hypothesis, conduct the statistical test and derive conclusions about the population through colloquia or written/oral exams.	5h 7h
14.	Non-parametric tests	5	Attending lectures. Actively involving students through problem solving and discussion. Group problem	Students will set the statistical hypothesis, conduct the statistical test and derive conclusions about the population through colloquia or written/oral exams.	5h 7h

				solving and discussion. Exam preparation.						
	Regression a 15. Final conclu Exam prepar	sions.	6	Attending lectures. Actively involving students through problem solving and discussion. Group problem solving and discussion. Exam preparation.	As a part of their practic through written/oral examples perform correlation and analysis, comment the re- conclusion about the rela- between variables.	m, students will regression esults and draw a	5h 7h			
3. EVALUATION OF STUDENTS	WORK									
3.1. Students` obligations	least 70%. Part-time Students who have d from 0 - 24, from 25 - 4 extraordinat more than 5 Students can take th	 In accordance with the Regulations on Studying and the Regulations on Student Assessment and Evaluation: for all full-time students attendance of at least 70%. Part-time students are required to attend classes at least 50%. All students are required to carry calculator and formulae list. Students who have during the course achieved: from 0 - 24,9% ECTS credits- are rated F (unsuccessful) and cannot obtain ECTS credits, and must re-enroll in the next academic year; from 25 - 49,9% - are assessed by FX (insufficient) and must pass the written exam (test). Written exam (test) can be held in a regular or extraordinary exam period; more than 50% - students have the right to take the final exam. Students can take the final exam from the course in two ways: a) during the course of teaching through continuous monitoring of students (active participation in classes and through two colloquia); b) by passing the exam (written and oral part of the exam). Students will prepare a project where 								
	Attendance	0,3	Written exam			1				
3.2. Monitoring student work (enter	Experimental work		Research		Practical work					
the share of ECTS credits for each activity so that the total number of ECTS points corresponds to the	Essay		Report		Continuous examination	0,5				
credit score of the course)	Colloquium	3,5 (without written exam)	Seminar pape	er	Other					
	Class activity	0,2	Oral exam	0,5	Other					
3.3. Student workload	1. Attending c	Student workload on all bases for 1 ECTS credit is 30 hours in a semester and is estimated as: 1. Attending classes and exercises 75 hours 2. Preparing colloquia or exams through individual work105 hours								
4. GRADING SYSTEM	<u>.</u>									

4.1. Grading seminar papers									
	Ur	nsatisfactory	Satisfactory	7		Above average			
4.2. Grading colloquia/ written and oral exam	understanding. basic terms and know how to a	nemory, without a deeper Does not know or apply d concepts. Does not pply or explain the course with examples.	without difficulty imparts new knowledge, understands the material, explains the terms and concepts supported with examples			at the level of analysis, synthesis and bserves the principles, accurately and plains the content of the material, and lects and explains the terms and concepts h examples. Finds solutions that were not en. Notes correlations with related material.			
4.3. Final grade according to evaluation elements	to the oral exam did not pass at lo students need to business problem	uring the semester, students have the possibility to partially take written exams through colloquia (twice during the semester). In order to have access the oral exam, students need to achieve at least 50% on each colloquium. Also, students have a possibility to retake one colloquium. Students who d not pass at least one colloquia (or retaken colloquia) need to take part in the written exam. In this case, in order to have access to the oral exam, udents need to achieve at least 50% on written exam. Students will prepare a project where they will independently carry out statistical analysis for usiness problems by using MS Excel. The final grade is formed after the oral exam by aggregating scores achieved through the written exam/colloquia, al exam, their project and during classes.							
		Percentage of acquired knowledge, skills and competences (teaching + final exam)	Numerical grade	ECTS g					
4.3. Final grade according to		90 - 100%	5 (excellent)	А					
absolute division		80-89,9%	4 (very good)	В					
		65 – 79,9%	3 (good)	С					
		60 - 64,9%	2 (satisfactory)	D					
		50 - 59,9%	2 (satisfactory)	E					
5. ADDITIONAL COURSE INFOR	RMATION								
			Title			Number of copies in the library	Availability via other media		
5.1. Compulsory literature (available in the library and via other media)	Šošić I., Primijenjena statistika, Školska knjiga, Zagreb, 2004. (chapters 1-12)					12	No		
	Patrick R. McMullen, Poslovna statistika za stručne studije [prijevod Devčić,K., Perišić,A.], Veleučilište u Šibeniku, 2017					Yes			

5.2. Additional literature (at the moment of changes and/or amended of study programme)	Azcel A. Sounderpandian J., Complete Business Statistics, McGraw Hill, 2009. Newbold P., Statistics for Buisness and Economics, Englewood Cliffs: Prentice Hall, 1997 Čižmešija M., Kurnoga Živadinović N., Zbirka riješenih zadataka iz osnova statistike,Mirorad d.o.o., Zagreb,2006 Dumičić K., Bahovec V., Poslovna Statistika, Element, Zagreb, 2011. Excel manuals Teaching materials
5.3. Quality assurance methods that ensure the acquisition of knowledge, skills and competences	The control of students' work quality and the acquisition of necessary knowledge and skills will be ensured through interactive work. By keeping track of attendance and student activity during classes and provided information on students' progress through short colloquiums and homework, information for further guidance to students will be provided in order to increase the efficiency of their work. Students will be informed about their rights and obligations as well as the methods of work and the required literature. Indicators of quality assurance system: Student survey, monitoring of annual data from the Croatian employment service on the annual state of student employment, surveys from employers and Alumni association.
5.4. Informing about the course and contacting the teacher	It is the responsibility of each student to be regularly informed about the course, the coursework, and the classroom activities. All notices of classes or possible adjournment will be published in a timely manner on the e-learning site of the course and on the website of the Polytechnic. Students can contact teachers during the consultation period (at least one hour per week), while for short questions and explanations they can be contacted during class. It is also possible to ask questions by e-mail (from the official e-mail address at @ vus.hr), which will be answered as soon as possible (no later than five working days after receiving the e-mail).

2. GENERAL	2. GENERAL INFORMATION										
1.1. Course lecturer	Anita Grubišić	1.8. Course code in ISVU									
1.2. Course title	Cost managemet	1.9. Course code in MOZVAG									
1.3. Assistants and/or associates	Guest lecturers	1.10. Forms of teaching (number of hours Lecturing +Practical exercises + Seminars + e learning)	30 P + 15 P								
1.4. Study programme (specialist, undergraduate, graduate)	Specialisr graduate	2.10.1.11. Level of e- learning application (1 st , 2 nd , 3 rd level), percentage of on line course performance (max. 20%)	1 st , course materials are on-line, 0%								
1.5. Course status (obligatory, optional)	Optional	2.11.1.12. Number of course revisions	2								
1.6. Year of study	1	1.13. Modernization	Yes								
1.7. Credit score (ECTS)	4	1.14. Percentage estimate of course changes and/or supplements	Less than 20% X□ More than 20% □								
2. COURSE DES	CRIPTION										
2.1. Course objectives	Cost management in enterprises, cost schedule and carrie	ers, and recording costs and expenditures by classic and contempora	ry methods of calculation.								
2.2. Terms of course entry and required competences	No conditions										
2.3. Learning outcomes on the study programme level	To analyze business environment, distinguish th To analyze and interpret key business trends a innovation in business To apply and valorize qualitative and quantitative	literature for reaching solutions and conclusions in Croatian and for ne company's competitive advantages and propose different business and innovations in the micro and macro business environment and we methods of business decision-making in solving economic and m flows, capacities, costs and processes using analysis and monitorin	s strategies to achieve the company's goals propose innovative solutions and tactics of anagerial problems through program support								

2.4. Expected learning outcomes on the course level	Learn	ing outcomes accroding to the Bloom`s taxon	omy: (up to two	verbs per LO)		Level of LO: 1- remembering, 2- understanding, 3- application, 4-analysis, 5-evaluation,	
	Explai Under Under Under Analy Compa	tte how managers use accounting information n how the costs are presented in the financial s rstand the assumptions and limitations of CVP stand the reasons for the estimation of fixed ar stand Ethical Issues in Business Costs. ze the accounting choice between FIFO, LIFO are the cost of products based on activities wit stand the role of the budget in the organization	works.	4,5 4,5 3,4 5,6			
	Num ber	Thematic unit	LO of the course	Content/teaching method	Evaluation		Durati on
	16.	Introductory lecture. Place, role, content, function of managerial accounting.	1,2,3,4	They listen to a lecture and read literature. They work on their own and in team workouts.	On the written a basis of internal	and oral exam they define the calculation.	8
2.5. Course content	17.	Education for Accounting They listen to a lecture and read In the written and oral exam they know to distinguish between types of expen			8		
according to detailed curriculum schedule	18.	Costs. Cost classification.	1,2,3,4	They listen to a lecture and read literature. They work on their own and in team workouts.	to analyze and e	nd oral exam they know how evaluate the costs and the g and monitoring the costs.	8
	19.	Accounting cost tracking.	1,2,3,4	They listen to a lecture and read literature. They work on their own and in team workouts.	In the written an to apply cost ca	nd oral exam they know how lculation.	8
	20. Costs in internal accounting. 4,5,6 They listen to a lecture and read literature. They work on their own and in team workouts. In the written and oral exam they kno how to evaluate and synthesize the feat of classic and modern cost calculations						8

21.	Particularities of classical and modern cost accounting.	4,5,6,	They listen to a lecture and read literature. They work on their own and in team workouts.	On the written and oral exam they know how to evaluate and synthesize the impact of inventory methods on business results.	8
22.	Influence of inventory conversion method to business result	4,5,6	They listen to a lecture and read literature. They work on their own and in team workouts.	In the written and oral exam they know how to evaluate and synthesize the business plan of the company.	8
23.	Contents and design of a company's business plan.	4,5,6	They listen to a lecture and read literature. They work on their own and in team workouts.	In both the written and oral exam, they can evaluate and synthesize accountability accounting and flexible budgeting.	8
24.	Accountability and Flexible Budgeting.	4,5,6	They listen to a lecture and read literature. They work on their own and in team workouts.	They are able to evaluate and synthesize transfer prices and their implications in written and oral examinations.	8
25.	Accounting standards and reporting harmonization. Transfer prices and their accounting and tax implications.	4,5,6,	They listen to a lecture and read literature. They work on their own and in team workouts.	.In the written and oral exam they know how to evaluate and synthesize cash flow management as a basis for short-term business decision-making.	8
26.	nformation base for short-term business decision-making. Cash flow management.	4,5,6	They listen to a lecture and read literature. They work on their own and in team workouts.	On the written and oral exam they know how to evaluate and synthesize strategic accounting instruments.	8
27.	Strategic Accounting. Instruments of strategic accounting.	4,5,6,	They listen to a lecture and read literature. They work on their own and in team workouts.	In the written and oral exam they know how to evaluate and synthesize information for long-term business decision-making.	8
28.	Information base of long-term business decision-making.	4,5,6,	They listen to a lecture and read literature. They work on their own and in team workouts.	In the written and oral exam they know how to evaluate and synthesize public sector management accounting.	8
29.	Public sector management accounting.	4,5,6,	They listen to a lecture and read literature. They work on their own and in team workouts.	In the written and oral exam they know how to evaluate and synthesize the application of cost management to the overall business of the company.	8
30.	Repetition. Exam instructions. Signatures.	4,5,6,	They listen to a lecture and read literature. They work on their own and in team workouts.	In the written and oral exam, they know how to synthesize and evaluate - cost	8

							mana practi	gement methods, for ce.	example in
3. EVALUATION	N OF STUDENTS` WORK								
3.1. Students` obligations	Attendance (in accordance wit	h the Ruleboo	k on Studying	g) and the preparation	n of homewor	rk assignme	ents are require	ed for signature.	
3.2. Monitoring student work	Attendance	1		Written exa	am			Project	
(enter the share of ECTS credits	Experimental work			Research				Practical work	
for each activity so that the total	Essay			Report				Continuous examination	1
number of ECTS points	Colloquium			Seminar pa	per	1		Other	
corresponds to the credit score of the course)	Class activity	0,5	5	Oral exam		1		Otheer	
3.3. Student workload	 Student workload on all bases for 1 ECTS credit is 30 hours in a semester and is estimated as: 3. Attending classes and exercises 45 hours 4. Preparing colloquia or exams through individual work 75 hours 								
4. GRADING SY	STEM								
4.1. Grading seminar papers	-								
	Unsatisfactory		:	Satisfactory			Above a	verage	
4.2. Grading colloquia/ written and oral exam	Responds by memory, without understanding. Does not know basic terms and concepts. Do know how to apply or explain contents of the course with ex-	bes not know or apply without difficult soncepts. Does not y or explain the explains the te		understands the mat terms and con	and new terial, icepts acepts	uation. Obsoughly explored a connection of the c	erves the princ lains the conten cts and explains examples. Find	alysis, synthesis and iples, accurately and at of the material, and s the terms and conce ls solutions that were tions with related ma	d epts e not
4.3. Final grade	Active course attendance	70-75% of	attendance	76-86% of a	attendance	ance 87-100% of attendance			Max. Points
according to evaluation		4 pc	oints	7 po	ints		10points		20 points
elements	Seminar paper								

				2		3	4		5
	Colloquia/ Wr	itten exam	50-64,9%			65-79,9%	80-89,9%	,	90-100%
			41p	oints		53 points	65 points	,	72 points
				2		3	4		5
	Oral exam		9 p	oints		12 points	15 points	,	18 points
4.3. Final grade		Percentage of knowledge, competence + final	skills and s (teaching	iired and hing Numerical gra		ECTS grade			
according to		90 - 1		5 (excell	lent)	А	-		
absolute		80 - 8	9,9%	,		В			
division		65 – 7	9,9%	3 (goo		С			
		60 - 6		2 (satisfac		D			
		50-5	9,9%	2 (satisfac	ctory)	E			
5. ADDITIONAI	COURSE INFO	ORMATION							
5.1. Compulsory literature				J	ſitle			Number of copies in the library	Availability via other media
(available in the library and via other media)	1. grupa autora: Upravljačko računovodstvo, RIF, Zagreb, 2011. YES							YES	
5.2. Additional literature (at the moment of changes and/or amended of study programme)	1. Lanen, W.N. & Anderson, S.W. & Maher, M.W., Fundamentals of cost accounting, Third Edition, 2014, by The McGraw-Hill – PPP 2. Belak, V., Menadžersko računovodstvo, RRIF, Zagreb, 1995. 2 3. Grubišić, A.; Analiza poslovanja, skripta, Veleučilište u Šibeniku, 2010. 2								

5.3. Quality	
assurance	The control of students' work quality and the acquisition of necessary knowledge and skills will be ensured through interactive work. By keeping track of attendance and
methods that	student activity during classes and provided information on students` progress through short colloquiums and homework, information for further guidance to students will
ensure the	be provided in order to increase the efficiency of their work. Students will be informed about their rights and obligations as well as the methods of work and the required
acquisition of	literature.
knowledge,	Indicators of quality assurance system: Student survey, monitoring of annual data from the Croatian employment service on the annual state of student employment,
skills and	surveys from employers and Alumni association.
competences	
5.4. Informing	It is the responsibility of each student to be regularly informed about the course, the coursework, and the classroom activities. All notices of classes or possible adjournment
about the course	will be published in a timely manner on the e-learning site of the course and on the website of the Polytechnic. Students can contact teachers during the consultation period
and contacting	(at least one hour per week), while for short questions and explanations they can be contacted during class. It is also possible to ask questions by e-mail (from the official
the teacher	e-mail address at @ vus.hr), which will be answered as soon as possible (no later than five working days after receiving the e-mail).

1. GENERAL INFORMATION AB	1. GENERAL INFORMATION ABOUT THE SUBJECT							
1.1. Title	Economics of information systems and software	1.8. ISVU course code						
1.2. Lecturer	Frane Urem PhD prof	1.9. MOZVAG course code						
1.3. Assistants and/or associates		1.10. Forms of teaching (number of hours Lecturing +Practical exercises + Seminars + e learning)	(30+15+0+0)					
1.4. Study programme (specialist, undergraduate, graduate)	specialist	1.11. Level of e- learning application (1 st , 2 nd , 3 rd level), percentage of on line course performance (max. 20%)	^{3rd} – materials available On-line, 0%					
1.5. Course status (obligatory, optional)	optional	1.12. Number of course revisions	1.					
1.6. Study year	2	1.13. Modernization	yes 🗆 no					
1.7. Credit score (ECTS)	4	1.14. Percentage estimate of course changes and/or supplements	Less than 20% More than 20 %					

2. COURSE DESCRIPTION	
2.1. Course objectives	Acquisition of knowledge from methodologies of development and economics of information systems
2.2. Terms of course entry and required competences	

	LO1 To organize and lead team work, and critically judge the opinions and attitudes of team members				
	LOT TO organize and lead team work, and criticarly judge the opinions and attitudes of team memoers				
2.3. Learning outcomes on the	LO2 To individually and responsibly search relevant literature for reaching solutions and conclusions,				
study programme level		· · · · · · 1 · · · · · · · · 1			
	LO4 To analyze and interpret key business trends and innovations in the micro and macro business environment and propose innov	ative solutions and			
	tactics of innovation in business	11 /1 1			
	LO7 To apply and valorize qualitative and quantitative methods of business decision-making in solving economic and managerial program support	broblems through			
	LO17 To assess acceptability of an investment project based on economic-financial analysis made with the help of modern tools an	d techniques			
		LO Level:			
		 Recapture, Understandin 			
	Learning outcomes towards Bloom's taxonomy:	<i>g</i> ,			
	(up to two verbs per LO)	3. Application,			
2.4 Expected learning outcomes		4. Analysis,			
2.4. Expected learning outcomes on the course level		5. Evaluation,			
on the course level		6. Synthesis			
	1. Understand and be able to analyze the economic fundamentals of software	1,2			
	2. Illustrate the software life cycle based on the available practical example	2,3,4,5,6			
	3. Apply the concepts of risk and uncertainty related to the project in the field of information systems	2,3,4,5,6			
	4. Implement methods of economic analysis of the introduction or change of the information system using best known practice	2,3,4,5,6			
	5. Connect and interpret the engineering ("best possible") approach to problem solving	2,3,4,5,6			

	Cons	tructive alignment				
	No:	Thematic ensemble / Lecture Topic	Course LO	Content / Teaching Method	Evaluation	Time needed
		Introduction to the course and detailed curriculum.	-			2 hours
2.5. Course content according to detailed curriculum schedule	31.	Introduction to information systems	2, 3, 4, 5, 6	Listening to lectures, working on a computer, reading literature.	At the midterm or the written and oral exam they define the basic concepts in object oriented programming. They describe the role of the information systems	6 hours
	32.	Preparation and content of the proposal for the execution of the	1,2,3	Students listen to lectures, work on the computer, read literature.	Interpret the concept of business information system. Identify the main	8 hours

	project in the field of it systems	nformation		parts of the information system proposal .	
33	Cash flow in the project	ct, time value 1,2,3,4	Students listen to lectures, work on the computer, read literature	Define cash flow in the project . Identify sources of project funding . Identify project costs . Calculate project cash flow based on a case study .	8 hours
34	Comparison of differen for information system 4. technical specification	is that meet the	Students listen to lectures, work on the computer, read literature	Understand and be able to analyze the proposals for information system. Identify an proposals that meets the technical specification . Explain the importance of eco mic best proposals.	8 hours
35	5. Making a business dec the procurement of an system for a business of	information	Students listen to lectures, work on the computer, read literature	Identify information resources in business. Identify the reasons that lead to the decision to procure an information system.	8 hours
36	Profit analysis for the a development of an info system 5.		Students listen to lectures, work on the computer, read literature	Understand the feasibility analysis of a project in a for-profit environment. Interpret the basic concepts in the project budget (BAC, ETC, EAC). Calculate MAAR. Calculate the NPV for the procurement of the information system from the case study .	8 hours
37	Loss of information sy	ystem value 1,2,3,4,5	Students listen to lectures, work on the computer, read literature	Calculate the loss of value for the information system.	8 hours
38	Non-profit analysis of benefits for the acquisi development an inform	tion or	Students listen to lectures, work on the computer, read literature	Interpret the cost-benefit analysis in an information system project intended for a non-profit environment.	8 hours
39	Development and cont for performing a softw		Students listen to lectures, work on the computer, read literature	Understand the content of the offer to perform a software project.	8 hours
40	Using risk assessment).	techniques 3,4,5	Students listen to lectures, work on the computer, read literature	Understand the concept of risk. Identify and quantify risks in a given information system project.	8 hours
41	Using uncertainty estin techniques	nation 3,4,5	Students listen to lectures, work on the computer, read literature	Understand the notion of uncertainty . Recognize uncertainties in a given information system project.	8 hours

	42.	Determining functional requirements for software . Determining non- functional software requirements	3,4,5	Students listen to l work on the comp literature.	uter, read s r ti f I r r	software. Det requirements he given bus functional rea Determine no requirements problem.	ional requirements for termine the functional for the software based on siness problem. Define non- quirements for software. on-functional software based on a given business	
	43.	Performance of information systems	3,4,5	Students listen to l work on the compu- literature		Assess the pendon solution s	erformance of a given system.	8 hours
	44.	Multicriteria decision making in a software project	3,4,5	Students listen to I work on the compu- literature	uter, read n c d	making in a s compensator	nulticriteria decision software project. Apply y and non-compensatory sing methods in a given sect.	8 hours
	45.	Software maintenance	3,4,5	Students listen to l work on the compo- literature	uter, read n s n	naintenance. oftware mai	he importance of software Define basic types of ntenance. Estimate softwar costs from a given case	8 hours
3. EVALUATION OF STUDEN	NT WC	RK						
3.1. Students' obligations	Part-1	 cordance with the Book of Rules and the time students have the obligation to attee ents who have during the course achieve. From 0 – 24,9% ECTS credits- is ra From 25 – 49,9% ECTS credits - is or extraordinary exam period; More than 50% ECTS credits - students can take the final exam in the course sipation in classes and exercises and two inations). 	nd at leas d: ted F (ur rated FX ents have e in two	st 50% of lectures. All stu asuccessful) and cannot ge (inadequate) and has to c e the right to access the fin ways: a) during the course	dents must creat et ECTS credits come out and pas nal exam of the s e of teaching thro	te, present ar and must re- ss the test (ez subject. ough continu	nd positively colloquy semi enrol the subject in the nex xam). A written exam can b uous monitoring of students	nar paper. t academic year; be held in a regular s (active
3.2. Monitoring student work (enter the share of ECTS credits		idance 1		Written exam	1 (by submitting colloquiums the		Project	

for each activity so that the total number of ECTS points				is relieved of an writ examination)	en		
corresponds to the credit score of the course)	Experimental work		Research		Prac	tical work	1
of the course)	Essay		Report			tinuous nination	
	Colloquium	2 (by submitting both colloquiums the student is relieved of a written and oral examination)	Seminar paper		Othe	er (inscribe)	
	Class activities		Oral exam	1 (by submitting both colloquiums the stud is relieved of an oral examination)	ant	er (inscribe)	
3.3. Student workload	Commitment 1. Attending class 2. Practical work			burs of work per semester and is Hours (estimate) 60 30 30 30	estimatec	1 as:	
4. GRADING							
4.1. Seminar paper grading	Valuation Element	Poor		Satisfying		Above	average
	Po	or		Satisfying		Above aver	
4.2. Colloquium / exam grading	Give answer by memory understanding. Does not apply the basic terms and apply or explain the con-	know and does not d concepts. Cannot	transfers new know	c terms, without difficulty owledge, understands subject he terms and the notions that amples.	Knowledge is at the level of analysis, synthesis and evaluation. It observes legitimacy, accurately and thoroughly explains the content of the subject, and logically links and explains the terms and concepts that it encapsulates.		egitimacy, xplains the content links and explains

									tions that are correlation v		nally given. elative subjects.
	Active participat	tion in	70-75% of att	endance	76-86% of attendance		87-100% of atte		dance		d mental map. ed case study.
	the lessons		4 point	ts		7 points	1() points			3 points
	Saminon nonon		2			3		4			5
4.3. Creating a final grade	Seminar paper		5 point	ts		7 points	8	points			10 points
according to evaluation elements			2			3		4			5
elements	Colloquium / wr exam	ritten	50-64,9	%	6	5-79,9%	80	-89,9%			90-100%
			25 poin	ıts		0 points	35	5 points		2	40 points
	Oral exam		2			3		5			5
	Oral exam		25 points			30 points		5 points		2	40 points
4.4. Creating a final grade according to absolute allocation		$\begin{tabular}{ c c c c c } \hline Percentage of adopted knowledge, skills and competences (teaching + final exam) \\ \hline 90-100\% & 5 (excell 80-89,9\% & 4 (very 65-79,9\% & 3 (generation of $65-79,9\%$ & $3(generation of $65-79,9\%$ & 2(suffities $50-59,9\%$ & 2 (suffities $50-59,9\%$ & $		ellent) good) od) cient)	ECTS grade A B C D E	A B C D					
5. ADDITIONAL INFORMAT	TION ABOUT TH	E COU	RSE								
5.1. Compulsory literature				Title					umber of co the librar		Availability via other media
(available in the library and through other media)	 1. Peer-reviewed teaching materials on the e-learning system of VUŠ for the course: Software Engineering 2. F. Urem, IS Design and Analysis, Šibenik Polytechnic, 2016, ISBN: 978-953-7566-30-2 3. IEEE Software Engineering Body of Knowledge (SWEBOK) 						Available online at e-learning system				
5.2. Additional literature (at the moment of changes and/or amended of study programme)		Bidgoli H.: Management Information Systems6, 4LTR Press, Cengage Learning, 2016.						Available online at e-learning system			

	The control of students' work quality and the acquisition of necessary knowledge and skills will be ensured through interactive work. By keeping track of
5.3. Quality assurance	attendance and student activity during classes and provided information on students` progress through short colloquiums and homework, information for
methods that ensure the	further guidance to students will be provided in order to increase the efficiency of their work. Students will be informed about their rights and obligations as
acquisition of knowledge,	well as the methods of work and the required literature.
skills and competences	Indicators of quality assurance system: Student survey, monitoring of annual data from the Croatian employment service on the annual state of student
_	employment, surveys from employers and Alumni association.
5.4. information on the course and contact with the teacher	It is obligatory for every student to regularly inform about the course, teaching and teaching activities. All information about teaching or any delay in teaching will be published on the e-learning pages of the course and on the web pages of the Polytechnic. Students can contact the teachers during the consultation term (at least one hour per week), while brief questions and explanations can be addressed during classes. It is possible to ask questions by e-mail (from the official e-mail address from the domain @ vus.hr) that will be answered in a short time (no later than five working days from the receipt of e-mail).

1. GENERAL INFORMATION AB	1. GENERAL INFORMATION ABOUT THE SUBJECT						
1.1. Title	Market research	1.8. ISVU course code	187558				
1.2. Lecturer	Jelena Šišara,Ph.D	1.9. MOZVAG course code					
1.3. Assistants and/or associates	None	1.10. Forms of teaching (number of hours Lecturing +Practical exercises + Seminars + e learning)	(30+0+15+0)				
1.4. Study programme (specialist, undergraduate, graduate)	Specialist Study of Management	1.11. Level of e- learning application (1 st , 2 nd , 3 rd level), percentage of on line course performance (max. 20%)	1 st – materials available On-line, 0%				
1.5. Course status (obligatory, optional)	Obligatory	1.12. Number of course revisions	1.				
1.6. Study year	1 st	1.13. Modernization	yes 🗆 no				
1.7. Credit score (ECTS)	4	1.14. Percentage estimate of course changes and/or supplementsLess than 20% More than 20 %					

2. COURSE DESCRIPTION	
2.1. Course objectives	 Understanding the importance and necessity of market research when making business decisions. Acquiring basic knowledge of market research methods and techniques. Understanding the market research process. Design of data collection instruments.

	Applying the learned skills to a specific research project.					
2.2. Terms of course entry and required competences	Admission requirements for 1st year of study					
	LO1:To organize and lead team work, and critically judge the opinions and attitudes of team members					
	LO2:To individually and responsibly search relevant literature for reaching solutions and conclusions,					
2.3. Learning outcomes on the	LO3:To analyze business environment, distinguish the company's competitive advantages and propose different business strategies to company's goals					
study programme level	LO4:To analyze and interpret key business trends and innovations in the micro and macro business environment and propose innovation in business	tive solutions and				
	LO9:To select a research method, conduct market research and interpret the results of the research carried out					
	Learning outcomes towards Bloom's taxonomy: (up to two verbs per LO)	LO Level: 7. Recapture, 8. Understandin g, 9. Application, 10. Analysis, 11. Evaluation, 12. Synthesis				
	LO1:To explain and to comment basic concepts related to market research.	2,4				
2.4. Expected learning outcomes	LO2:To define the research goal, problem and hypotheses, to select the types and sources of data and to design a research problem based on it.	1, 5, 6				
on the course level	LO3:To propose appropriate market research methods and, on this basis, to construct a suitable data collection instrument addressed to a specific research problem.	6, 6				
	LO4:To conduct market research addressed to a specific research problem, to interpret the results of the research conducted, and to propose a solution based on that.	3, 3, 6				
	LO5: To present the results of the research	6				
	1.					
	2. 3.					
	4.					

	Cons	tructive alignment				
	No:	Thematic ensemble / Lecture Topic	Course LO	Content / Teaching Method	Evaluation	Time needed
	46.	Introduction to the course and a detailed performance plan	-	Listen to the lecture. On seminary teaching, by independent work on the computer students get acquainted with course content and documents on the e-learning course page.	-	5 hours
2.5. Course content according to	47.	INTRODUCTION TO MARKET RESEARCH: THE TERM AND DEFINITION OF MARKET RESEARCH; THE ROLE AND IMPORTANCE OF MARKET RESEARCH IN BUSINESS RESEARCH	1, 2	They listen to lectures, solve case studies, discuss, problem papers, presentations of seminar work	At the colloquium or the written and oral exam they define and explain the concepts that occur in this thematic unit, then they should present and analyze the same on a concrete example, critically judge on the basis of the presented problem and propose a solution to the same problem.	7 hours
2.5. Course content according to detailed curriculum schedule	48.	SCIENTIFIC METHOD AND ETHICS IN MARKET RESEARCH; ORGANIZERS AND BENEFICIARIES OF MARKET RESEARCH	1, 2	They listen to lectures, solve case studies, discuss, problem papers, presentations of seminar work	At the colloquium or the written and oral exam they define and explain the concepts that occur in this thematic unit, then they should present and analyze the same on a concrete example, critically judge on the basis of the presented problem and propose a solution to the same problem.	7 hours
	49.	MARKET RESEARCH PROCESS AND PROJECT	1, 2 ,3	They listen to lectures, solve case studies, discuss, problem papers, presentations of seminar work	At the colloquium or the written and oral exam they define and explain the concepts that occur in this thematic unit, then they should present and analyze the same on a concrete example, critically judge on the basis of the presented problem and propose a solution to the same problem.	8 hours
	50.	TYPES OF MARKET RESEARCH	1, 2, 3	They listen to lectures, solve case studies, discuss, problem	At the colloquium or the written and oral exam they define and explain the concepts that occur in this thematic unit,	8 hours

			papers, presentations of seminar work	then they should present and analyze the same on a concrete example, critically judge on the basis of the presented problem and propose a solution to the same problem.	
51.	PRIMARY AND SECONDARY DATA, SAMPLES AND SAMPLING	1, 2, 3, 4	They listen to lectures, solve case studies, discuss, problem papers, presentations of seminar work	At the colloquium or the written and oral exam they define and explain the concepts that occur in this thematic unit, then they should present and analyze the same on a concrete example, critically judge on the basis of the presented problem and propose a solution to the same problem.	10 hours
52.	DATA ANALYSIS AND INTERPRETATION, Colloquium I.	1, 2, 3, 4	They listen to lectures, solve case studies, design and develop a research project.	At the colloquium or the written and oral exam they define and explain the concepts that occur in this thematic unit, then they should present and analyze the same on a concrete example, critically judge on the basis of the presented problem and propose a solution to the same problem.	10 hours
53.	APPLICATION OF MARKET RESEARCH, RESEARCH FOR MARKET SEGMENTATION NEEDS	1, 2, 3, 4, 5	They listen to lectures, solve case studies, design and develop a research project.	At the colloquium or the written and oral exam they define and explain the concepts that occur in this thematic unit, then they should present and analyze the same on a concrete example, critically judge on the basis of the presented problem and propose a solution to the same problem.	10 hours
54.	APPLICATION OF MARKET RESEARCH, RESEARCH FOR PRODUCT DEVELOPMENT NEEDS	1, 2, 3, 4, 5	They listen to lectures, solve case studies, design and develop a research project.	At the colloquium or the written and oral exam they define and explain the concepts that occur in this thematic unit, then they should present and analyze the same on a concrete example, critically judge on the basis of the presented problem and propose a solution to the same problem.	10 hours

55.	RESEARCH FOR ADVERTISING AND SELLING NEEDS	1, 2, 3, 4, 5	They listen to lectures, solve case studies, design and develop a research project.	At the colloquium or the written and oral exam they define and explain the concepts that occur in this thematic unit, then they should present and analyze the same on a concrete example, critically judge on the basis of the presented problem and propose a solution to the same problem.	10 hours
56.	RESEARCH FOR PRICING AND SATISFACTION NEEDS	1, 2, 3, 4, 5	They listen to lectures, solve case studies, design and develop a research project.	At the colloquium or the written and oral exam they define and explain the concepts that occur in this thematic unit, then they should present and analyze the same on a concrete example, critically judge on the basis of the presented problem and propose a solution to the same problem.	10 hours
57.	MARK VALUE RESEARCH	1, 2, 3, 4, 5	They listen to lectures, solve case studies, design and develop a research project.	At the colloquium or the written and oral exam they define and explain the concepts that occur in this thematic unit, then they should present and analyze the same on a concrete example, critically judge on the basis of the presented problem and propose a solution to the same problem.	10 hours
58.	APPLICATION OF RESEARCH IN MAIN TOURISM AREAS	1, 2, 3, 4, 5	They listen to lectures, solve case studies, design and develop a research project.	At the colloquium or the written and oral exam they define and explain the concepts that occur in this thematic unit, then they should present and analyze the same on a concrete example, critically judge on the basis of the presented problem and propose a solution to the same problem.	8 hours
59.	PRESENTATIONS OF THE RESEARCH PROJECT	6	Present research projects, discussion.	At the colloquium or the written and oral exam they define and explain the concepts that occur in this thematic unit, then they should present and analyze the same on a concrete example, critically judge on the basis of the presented	4 hours

	60.	FINAL CONSIDE SIGNATURES, II			listen to lecture usions, discuss	sam At t exa con es, make ther judg pro	the problem the colloqu on they def acepts that on they shou on a con ge on the b	ium or the written and ora fine and explain the occur in this thematic unit uld present and analyze the ocrete example, critically pasis of the presented propose a solution to the	,
3. EVALUATION OF STUDEN	T WO	RK							
3.1. Students` obligations	Part-t Stude • • • • • • • • • • • • • • •	ime students have the ents who have during From 0 – 24,9% From 25 – 49,9% or extraordinary More than 50% ents can pass the fina- studies, making and	ne obligation to attend at g the course achieved: ECTS credits- is rated I 6 ECTS credits - is rated exam period; ECTS credits - students al exam in two ways: a)	t least 50% of le F (unsuccessful) d FX (inadequat have the right to during the cours paper and projec	and cannot get and cannot get and has to co access the fina through conti t, passing two c	ECTS credits and me out and pass al exam of the sub inuous student att colloquia); b) dur	present an d must re-o the test (ex bject. tendance (a ing the cou	ilar students attend at least ad positively colloquy sem enrol the subject in the new cam). A written exam can active participation in the l urse (active participation in nd oral exam).	inar paper. at academic year; be held in a regular essons, solving
2.2. Monitoring student work		dance	0,5	Written exa	m	0,5 (by submittin colloquiums the is relieved of an examination)	ng both student		2
3.2. Monitoring student work (enter the share of ECTS credits	Expe	rimental work		Research				Practical work	
for each activity so that the total number of ECTS points	Essay	7		Report				Continuous examination	
corresponds to the credit score of the course)	Collo	quium	1 (by submitting both colloquiums the studen is relieved of a written and oral examination)		per	0,5		Other (inscribe)	
	Class	activities		Oral exam		0,5 (by submittin colloquiums the s		Other (inscribe)	

3.3. Student workload			roject	hours of	is relieved of an oral examination) work per semester and is <i>Hours (estimate)</i> 60 30 30	s estimate	ed as:	
4. GRADING								
	Valuation Element	Poor			Satisfying		Above average	
	Organization	The paper is not organi order and its structure		The paper is well structured with a clear distinction between the introduction, the main part of the text and the conclusion.			The paper is well-structured with a clear distinction between the introduction, the main part of the text and the conclusions that are perfectly logically linked to one another	
4.1. Seminar paper grading	Terminology, writing style	Writing style is not appropriate, sentences are too long, modest			Words and phrases are aligned with official terminology. The writing style is appropriate, the sentence structure is clear, the vocabulary is appropriate and has little grammatical errors.		Words and phrases are aligned with official terminology and show an understanding of their meaning. The writing style is excellent, the sentences are clear and concise, the vocabulary is rich and there are no grammatical errors.	
	Quoting and referencing	references do not match the topic and show a superficial approach to the		Sources are listed, but incomplete and with errors. The references are appropriate for the subject and show a satisfactory research attitude.			Sources are accurate, complete and consistent. The references are appropriate, their list is "rich" and comprehensive and shows a robust research approach.	
	Poo	or		Satisf	ying	Above average		
apply the basic te		know and does not transfers new k		asic terms, without difficulty knowledge, understands subject s the terms and the notions that examples.		Knowledge is at the level of analysis, synthesis and evaluation. It observes legitimacy, accurately and thoroughly explains the content of the subject, and logically links and explains the terms and concepts that it encapsulates.		

								solutions that are needed as a correlation w		
	Active participa	tion in	70-75% of atte	endance	76-86%	of attendance	87-100% of a	attendance	Sei	ninal paper.
	the lessons		2 point	s		4 points	7 poi	nts		3 points
	D 1		2			3	4			5
4.3. Creating a final grade	Research paper		5 point	S	,	7 points	8 poi	nts		10 points
according to evaluation			2			3	4			5
elements	Colloquium / wi	ritten	50-64,99	%	6	5-79,9%	80-89,	9%		90-100%
	- CAULI		25 point	ts	3	0 points	35 poi	nts		40 points
	Oral exam		2			3	5			5
	Orai exam		25 point	ts	3	0 points	35 poi	nts		40 points
 4.4. Creating a final grade according to absolute allocation 5. ADDITIONAL INFORMAT 	ION ABOUT TH	know comp +	centage of adopted pwledge, skills and upetences (teaching $+$ final exam)Numerou $90 - 100\%$ $90 - 100\%$ 5 (excent $80 - 89,9\%$ 4 (very $65 - 79,9\%$ 3 (go 		ellent) good) ood) icient)	ECTS grade A B C D E				
5.1. Compulsory literature				Title				Number of cop the librar		Availability via other media
(available in the library and through other media)	1. Marušić,	M., Vra	nešević, T. (2001).	*Istraživanje	tržišta*. ADI	ECO, Zagreb		1		
through other media)	2. Marušić,	M., Pre	bežac, D. (2004). *I	ežac, D. (2004). *Istraživanje turističkih tržišta*. ADECO, Zagreb				1		
5.2. Additional literature (at the moment of changes and/or amended of study programme)	3. Meler, M						0			

	The control of students' work quality and the acquisition of necessary knowledge and skills will be ensured through interactive work. By keeping track of
5.3. Quality assurance	attendance and student activity during classes and provided information on students` progress through short colloquiums and homework, information for
methods that ensure the	further guidance to students will be provided in order to increase the efficiency of their work. Students will be informed about their rights and obligations
acquisition of knowledge,	as well as the methods of work and the required literature.
skills and competences	Indicators of quality assurance system: Student survey, monitoring of annual data from the Croatian employment service on the annual state of student
-	employment, surveys from employers and Alumni association.
5.4. information on the course and contact with the teacher	It is obligatory for every student to regularly inform about the course, teaching and teaching activities. All information about teaching or any delay in teaching will be published on the e-learning pages of the course and on the web pages of the Polytechnic. Students can contact the teachers during the consultation term (at least one hour per week), while brief questions and explanations can be addressed during classes. It is possible to ask questions by e-mail (from the official e-mail address from the domain @ vus.hr) that will be answered in a short time (no later than five working days from the receipt of e-mail).

1. GENERAL INFORMATION AB	1. GENERAL INFORMATION ABOUT THE SUBJECT						
1.1. Title	Financial Management	1.8. ISVU course code	141499				
1.2. Lecturer	Jelena Žaja, mag.oec., s. lec.	1.9. MOZVAG course code					
1.3. Assistants and/or associates		1.10. Forms of teaching (number of hours Lecturing +Practical exercises + Seminars + e learning)	(30+0+0+0)				
1.4. Study programme (specialist, undergraduate, graduate)	Professional Graduate Study of Management	1.11. Level of e- learning application (1 st , 2 nd , 3 rd level), percentage of on line course performance (max. 20%)	1 st – materials available On-line, 0%				
1.5. Course status (obligatory, optional)	Obligatory	1.12. Number of course revisions2.					
1.6. Study year	1 st	1.13. Modernization	yes 🗆 no				
1.7. Credit score (ECTS)	6	1.14. Percentage estimate of course changes and/or supplements	Less than 20% More than 20%				

2. COURSE DESCRIPTION	
2.1. Course objectives	Introduce students with basic concepts of modern financial management through lectures, classroom discussions, business cases and project task solving so that after completing the course each student knows how to approach basic financial management issues and where to look for additional information to solve complex issues that appear in practice in everyday business. To introduce students to the concept of corporate finance, its role in the company's business and to expand their basic knowledge in the field of:

	 time preferences of money; measurement of financial risk in function of capital cost; money markets and capital markets, flows of funds in business processes and the interdependence of property and liabilities management and ways of financing them; analysis of financial operations of business entities; elements of financial and investment planning; basis of financial efficiency of investment projects; financing securities transactions with a special focus on bonds and shares and assessing the justification for investing in financial instruments in the money and capital market; financing business with own capital; fundamental laws of debt utilization, capital structure and dividend policy. 				
2.2. Terms of course entry and required competences	No conditions.				
2.3. Learning outcomes on the study programme level	LO1. To apply and link economic terms in more complex written and oral communication. LO2. To organize and lead team work, and critically judge the opinions and attitudes of team members. LO3. To individually and responsibly search relevant literature for reaching solutions and conclusions. LO6. To analyse and link basic concepts and apply content related to the area of economics, management, accounting, and finance. LO7. To interpret business and financial reports and propose solutions to improve financial performance and profitability.				
2.4. Expected learning outcomes on the course level	 Learning outcomes towards Bloom's taxonomy: (up to two verbs per LO) 5. to define and categorize basic concepts and tasks of financial management, 6. to measure the return and financial risk of the securities portfolio and analyse the relation between risk and return, 7. to interpret the financial relations of the enterprise with the environment: population, state, foreign countries, financial institutions and the financial market, 8. to explain the fundamental features and specifics of financial management in business entities, 	LO Level: 13. Recapture, 14. Understandin g, 15. Application, 16. Analysis, 17. Evaluation, 18. Synthesis 1,4 3,4 4 4			
	 8. to explain the fundamental features and specifics of financial management in business entities, 9. to evaluate the impact of financial leverage and on the profitability of business entities, 	5			

	are an analysis of financial statements on the example of a business entity by performing horizontal and vertical s and analysis by financial indicators,	6
	y methods of net present value, return period, internal rate of return, profitability index, and assess the eligibility of nent in a project,	3,5
12. to prop	ose the application of appropriate models and evaluate the value of equity and debt securities,	6,5
	terials and tools to search scientific and professional literature in Croatian and in English, and present accepted edge, ideas, problems and solutions independently and in the team.	3,6

		Constructive alignment							
		No:	Thematic ensemble / Lecture Topic	Course LO	Content / Teaching Method	Evaluation	Time needed		
2.5. Course content according to detailed curriculum schedule	-		Introduction to the course and a detailed performance plan.	-	Listen to the lecture. In the exercise classes, by independent work on computer students get acquainted with course content and documents on the e-learning course page.	-	2 hours		
	_	61.	Introductory lecture - basic concepts and determinants of financial management.	1, 3, 9	Listen to the lecture and read the literature.	At the colloquium or the written and oral exam define the basic concepts of financial management. They know how to list and explain basic financial activities, sources of company assets and tasks of financial function in the company. They know how to explain the concept of time value of money and identify the basic variables in calculations of time value of money. Describe the basic characteristics of the financial market.	8 hours		
		62.	Risk and financial management. Balance as a source of financial information.	1, 2,3, 9	Listen to the lecture and read literature. In the exercise classes, they calculate the yield and financial risk of the securities portfolio	At the colloquium or the written and oral exam they can explain the concepts of investment portfolio, financial risk and ways of managing risk. They know how to calculate the expected return, the	8 hours		

			independently or in a team, and draw conclusions about the risk-return relationship.	standard deviation and the coefficient of variation for an individual security or a portfolio of securities and to evaluate the risk of investing on the basis of the relationship between risk and return. They know how to interpret the relationship between security yields and market returns. They know how to explain the concept of a balance sheet, its properties and indicate users of financial information.	
63.	Financial reports.	1, 3, 9	Listen to the lecture and read the literature.	At the colloquium or the written and oral exam they can state the types of basic financial statements and explain their basic components. Know what can all be a source of cash in a business.	8 hours
64.	Objectives, purpose and methods of analysis of financial reports.	1, 3, 6, 9	They listen to a lecture and read literature. In the exercise classes, independently on a computer, they perform horizontal and vertical analysis of financial statements on the example of a business entity's financial statements. They research the content of this thematic area and make a project assignment that presents the knowledge they have acquired and their ideas, and ways to solve problems.	At the colloquium or the written and oral exam they can explain the term financial analysis and specify and explain the methods of analysis of financial statements. They know how to explain horizontal and vertical analysis procedures and apply them to financial statement analysis. Created and presented project assignment (using computer programs).	12 hours
65.	Indicators of financial analysis, examples and interpretations.	1, 5, 6, 9	They listen to a lecture and read literature. In the exercise classes, they calculate financial indicators and interpret the obtained results independently on a computer based on the financial statement of a business entity.	At the colloquium or the written and oral exam they can define and describe the types / groups of financial indicators and apply them in the analysis of financial statements (in the exam and in the preparation of the project assignment). They know how to sketch and interpret	14 hours

			They research the content of this thematic area and make a project assignment that presents the knowledge they have acquired and their ideas, and ways to solve problems.	Du Pont's indicator system and explain synthetic indicators. Created and presented project assignment (using computer programs).	
66.	Rules and principles of financing, liquidity and solvency.	1, 5, 6, 9	They listen to a lecture and read literature. In the exercise classes, independently on a computer, they calculate financial indicators and interpret the obtained results based on the financial statements of a business entity.	At the colloquium or the written and oral exam they can define and describe the basic principles and rules of financing. They know how to explain the difference between the concepts of liquidity and solvency, explain the term financial leverage and judge when it is opportune to use it. They are able to identify internal and external causes of insolvency and propose measures to improve the solvency of companies. Created and presented project assignment (using computer programs).	10 hours
67.	Short-term asset management.	1, 4, 9	They listen to a lecture and read literature. In the exercise classes, they calculate the value of working capital needed in the company.	At the colloquium or the written and oral exam they can define and describe the notion of working capital, permanent working capital, circular movement of working capital, factors on which the amount of working capital depends, management of working capital, inventory management and receivables management. They know how to analyze the structure of working capital and recommend the optimal size and structure of working capital in a particular company.	8 hours
68.	Financial planning and methods of assessing the profitability of capital investments.	1, 7, 9	They listen to a lecture and read literature. In the exercise classes, independently on a computer, they apply the methods of capital investment assessment on an example of a financial	At the colloquium or the written and oral exam they can explain the term financial planning, cash control instruments. They know how to define the term investment and classify investments, identify the common characteristics of all investment projects and explain why the sensitivity	14 hours

71.	Financial insurance and short term financing.	1, 3, 5, 9	They listen to a lecture and read literature.	They can explain the terms compensation, cession, assignment, debt assumption. At the colloquium or the written and oral exam they can state the types and forms of financing of the company according to the availability of sources, identify differences between credit and equity financing. They know how to explain the four methods and techniques of short- term bank lending, the relative advantages and disadvantages of bank	8 hours
70.	Securities, promissory notes and checks.	1, 3, 9	They listen to a lecture and read literature.	At the colloquium or the written and oral exam they know how to define and describe the basic securities that circulate in the money market. They know how to explain ways of transferring securities.	8 hours
69.	Business banking and estimating creditworthiness of an enterprise.	1, 3, 9	They listen to a lecture and read literature, solve a case study.	At the colloquium or the written and oral exam they can determine the differences between the nominal, real and effective interest rates. They know how to predict the factors that influence interest rate formation in commercial banking. They can explain what the reference interest rates are. They know how to recommend criteria for determining a company's creditworthiness. They can explain what a 5C method is in determining creditworthiness.	8 hours
			statement of a business entity and interpret the results obtained. They research the content of this thematic area and develop a project assignment that presents the knowledge they have acquired and their ideas, and ways to solve problems.	analysis of an investment project is done. They know how to explain commonly used methods of evaluating investment projects, apply them on an example, and make a decision on the profitability of investing in a particular project. Created and presented project assignment (using computer programs).	

				amount of trade credit from the point of view of the debtor and creditor.	
72.	Mid-term and long-term financing - concepts and practical application.	1, 3, 5, 9	They listen to lectures and read literature, handle case studies.	At the colloquium or the written and oral exam they can define and describe the characteristics of medium and long-term credit. They can explain what leasing financing is (the concept and types of leasing, the advantages and disadvantages of leasing financing); identify differences between operating and financial leasing and recommend when to use what type of leasing.	8 hours
73.	Characteristics and specifics of financial management in hotel business entities.	1, 4, 9	They listen to a lecture and read literature. A case study is handled in the exercise classes.	At the colloquium or the written and oral exam they know how to define and describe the specifics of the hotel service and the hotel business and how these special features of the hotel business affect its financing. They know how to identify the particularities of the analysis of financial indicators in the hotel industry and explain the indicators that measure the efficiency of utilization of available capacity in the hotel industry.	8 hours
74.	Equity financing.	1, 5, 9	They listen to a lecture and read literature.	At the colloquium or the written and oral exam they can determine the structure of the financial capital of a joint stock company, they can indicate their own and external sources of equity of a joint stock company and explain the way of financing a business with own funds. They know how to explain the notion of non-nominal and nominal capital of a joint stock company, and evaluate the benefits of financing with own capital.	8 hours
75.	Securities financing.	1, 2, 8, 9	They read the literature and prepare individually for the exam.		8 hours

	Concluding Consi Repeating and Pre					40 hours			
3. EVALUATION OF STUDEN	T WORK								
3.1. Students` obligations	 Students who have durin From 0 – 24,9% From 25 – 49,9% or extraordinary More than 50% Students can pass the fin case studies, making and 	 Part-time students have the obligation to attend at least 50% of lectures. All students must create, present and positively colloquy seminar paper. Students who have during the course achieved: From 0 – 24,9% ECTS credits- is rated F (unsuccessful) and cannot get ECTS credits and must re-enrol the subject in the next academic year; From 25 – 49,9% ECTS credits - is rated FX (inadequate) and has to come out and pass the test (exam). A written exam can be held in a regular or extraordinary exam period; More than 50% ECTS credits - students have the right to access the final exam of the subject. Students can pass the final exam in two ways: a) during the course through continuous student attendance (active participation in the lessons, solving case studies, making and presenting the project and passing two colloquia); b) during the course (active participation in the lessons, solving case studies, creating and presenting the project) and passing the exam (written and oral exam). 							
	Attendance	1	Written exam	2,5 (by submitting both colloquiums the studen is relieved of an writte examination)	It Project				
3.2. Monitoring student work	Experimental work		Research		Practical work				
(enter the share of ECTS credits for each activity so that the total	Essay		Report		Continuous examination				
number of ECTS points corresponds to the credit score of the course)	Colloquium	olloquium 4,5 (by submitting both colloquiums the student is relieved of a written and oral examination)		0,5	Other (inscribe)				
	Class activities		Oral exam	2 (by submitting both colloquiums the studer is relieved of an oral examination)	t Other (inscribe)				
3.3. Student workload	Commitment		CTS point for 30 hours of	work per semester and is estimated as: Hours (estimate)					
	7.Attending class8.Seminar paper			60 15					
		r the Colloquium / exam th	rough self-study	105					

4. GRADING									
	Valuation Element	Poor		Satis	fying			Above average	
	Organization	The paper is not organ order and its structure			etween the nain part of the text		The paper is well-structured with a clear distinction between the introduction, the main part of the text and the conclusions that are perfectly logically linked to one another		
4.1. Seminar paper grading	Terminology, writing style	Words and phrases are harmonized with offici Writing style is not app sentences are too long, vocabulary, and freque grammatical mistakes.	al terminology. propriate, modest	Words and phrases are aligned with official terminology. The writing style is appropriate, the sentence structure is clear, the vocabulary is appropriate and has little grammatical errors.			Words and phrases are aligned with official terminology and show an understanding of their meaning. The writing style is excellent, the sentences are clear and concise, the vocabulary is rich and there are no grammatical errors.		
	Quoting and referencing	Sources are not specifi references do not matc show a superficial appr research topic.	h the topic and	Sources are listed, but incomplete and with errors. The references are appropriate for the subject and show a satisfactory research attitude.			Sources are accurate, complete and consistent. The references are appropriate, their list is "rich" and comprehensive and shows a robust research approach.		
	P	oor	Satisfying				Above average		
4.2. Colloquium / exam grading	understanding. Does no apply the basic terms at	tive answer by memory, no deeper nderstanding. Does not know and does not pply the basic terms and concepts. Cannot pply or explain the contents of the course.		usic terms, without knowledge, understar is the terms and the n examples.	difficulty ads subject otions that difficulty accurately a of the subje the terms ar Find solutio		luation. It of ely and thore ubject, and l ns and conce lutions that	e level of analysis, synthesis bserves legitimacy, oughly explains the content ogically links and explains epts that it encapsulates. are not originally given. on with correlative subjects.	
	Active participation in	70-75% of attendance	e 76-86	% of attendance	87-100	0% of atte	endance	Solved case study.	
4.3. Creating a final grade	the lessons	2 points		4 points		7 points		3 points	
according to evaluation	Project	2		3		4		5	
elements		5 points		7 points	8 points		ts 10 points		
		2		3		4		5	

	Colloquium / written	50-64,99	%	(55-79,9%	80-89,9	9%	90-100%	
	exam	25 point	ts		30 points	35 poir	nts	40 points	
	Oral avam	2		3		5		5	
	Oral exam	25 point	ts		30 points	35 poir	nts	40 points	
	kno	centage of adopted wledge, skills and petences (teaching + final exam)	Numerou	ıs grade	ECTS grade				
4.4. Creating a final grade according to absolute allocation		90-100%	5 (exce	/	A				
according to absolute anocation		80-89,9%	4 (very	U /	В				
		65 - 79,9%	3 (go	/	C				
		60 - 64,9% 50 - 59,9%	2 (suff 2 (suff	/	D E				
5.1. Compulsory literature (available in the library and through other media)	Financial Times								
5.2. Additional literature (at the moment of changes and/or amended of study programme)			-		plications*. Pearson,				
5.3. Quality assurance methods that ensure the acquisition of knowledge, skills and competences	attendance and student a further guidance to stude as well as the methods of Indicators of quality assu	The control of students' work quality and the acquisition of necessary knowledge and skills will be ensured through interactive work. By keeping track of ttendance and student activity during classes and provided information on students` progress through short colloquiums and homework, information for urther guidance to students will be provided in order to increase the efficiency of their work. Students will be informed about their rights and obligations s well as the methods of work and the required literature. Indicators of quality assurance system: Student survey, monitoring of annual data from the Croatian employment service on the annual state of student mployment, surveys from employers and Alumni association.							

	A information on the course d contact with the teacher	It is obligatory for every student to regularly inform about the course, teaching and teaching activities. All information about teaching or any delay in teaching will be published on the e-learning pages of the course and on the web pages of the Polytechnic. Students can contact the teachers during the consultation term (at least one hour per week), while brief questions and explanations can be addressed during classes. It is possible to ask questions by e-mail (from the official e-mail address from the domain @ vus.hr) that will be answered in a short time (no later than five working days from the receipt of e-mail).	
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3. GENERAL INFORMATION								
1.1. Course lecturer	Ivana Beljo dipl. ing. mat., univ. spec. oec.,	1.8. Course code in ISVU	129870, 202133					
1.2. Course title	Quantitative methods for business decision-making	1.9. Course code in MOZVAG						
1.3. Assistants and/or associates	dr.sc. Ana Perišić	1.10. Forms of teaching (number of hours Lecturing +Practical exercises + Seminars + e learning)	(30+0+30+0)					
1.4. Study programme (specialist, undergraduate, graduate)	Graduate Study Programme Management	1.11. Level of e- learning application (1 st , 2 nd , 3 rd level), percentage of on line course performance (max. 20%)	1 st , course materials a	re on-line, 0%				
1.5. Course status (obligatory, optional)	Obligatory	1.12. Number of course revisions	3.					
1.6. Year of study	2nd	1.14. Modernization	Yes					
1.7. Credit score (ECTS)	6	1.14. Percentage estimate of course changes and/or supplements Less than More than						
2. COURSE DESCRIPTION								
2.1. Course objectives		dents, based on theoretical knowledge and case studies, to be trained support in business decision-making.	l to understand, recogni	ze and apply various				
2.2. Terms of course entry and required competences	No conditions.							
LO2. To organize and lead team work, and critically judge the opinions and attitudes of team members.LO 5: To use probabilistic models for different discrete and continuous stochastic phenomena, assess population parameters, set statistical hypotheses, conduct tests and basic statistical analyses with support of computer toolsLO6. To analyse and link basic concepts and apply content related to the area of economics, management, accounting, and finance.LO7: To apply and valorize qualitative and quantitative methods of business decision-making in solving economic and managerial problems through program supportLO9. To interpret business and financial reports and propose solutions to improve financial performance and profitability.								
2.4. Expected learning outcomes on the course level	Learning outcomes according to the	Learning outcomes according to the Bloom`s taxonomy: (up to two verbs per LO) Learning outcomes according to the Bloom`s taxonomy: (up to two verbs per LO) Learning outcomes according to the Bloom`s taxonomy: (up to two verbs per LO) Learning outcomes according to the Bloom`s taxonomy: (up to two verbs per LO) Learning outcomes according to the Bloom`s taxonomy: (up to two verbs per LO) Learning outcomes according to the Bloom`s taxonomy: (up to two verbs per LO) Learning outcomes according to the Bloom`s taxonomy: (up to two verbs per LO) Learning outcomes according to the Bloom`s taxonomy: (up to two verbs per LO) Learning outcomes according to the Bloom`s taxonomy: (up to two verbs per LO) Learning outcomes according to the Bloom`s taxonomy: (up to two verbs per LO) Learning outcomes according to the Bloom`s taxonomy: (up to two verbs per LO) Learning outcomes according to the Bloom`s taxonomy: (up to two verbs per LO) Learning outcomes according to the Bloom`s taxonomy: (up to two verbs per LO) Learning outcomes according to the Bloom`s taxonomy: (up to two verbs per LO) Learning outcomes according to the Bloom`s taxonomy: (up to two verbs per LO) Learning outcomes according to the Bloom`s taxonomy: (up to two verbs per LO) Learning outcomes according to the Bloom`s taxonomy: (up to two verbs per LO) Learning outcomes according to the Bloom`s taxonomy: (up to two verbs per LO) Learning outcomes according to the Bloom`s taxonomy: (up to two verbs per LO) Learning outcomes according to the Bloom`s taxonomy: (up to two verbs per LO) Learning outcomes according to the Bloom`s taxonomy: (up to two verbs per LO) Learning outcomes according to the Bloom`s taxonomy: (up to two verbs per LO) Learning outcomes according to the Bloom`s taxonomy: (up to two verbs per LO) Learning outcomes according to two verbs per LO Learning to two verbs per LO Learning to two verbs per LO Le						

	2. 4 3. 0 4. 1 5. 1	Formulate a mathematical model for linea Apply computer tools in solving linear postoptimality analysis. Choose the appropriate algorithm and sol Design a model for project management a Propose optimal business decisions using Design decision trees for decision evalua		4-analysis, 5-evaluation, 6-synthesis 6 3, 5 3, 4 6, 5 5 6		
	Cons	structive allignement	LO of			
	no	Thematic unit	the course	Content/teaching methods	Evaluation	Time
		Introduction into the course and detailed plan.	-	Attending lectures. Familiarize with course content, e-learning documents, literature and students' obligations.		2 h
2.5. Course content according to	2.	Formulate a mathematical model1Attending lectures. Actively involving students through problem solving and discussion.Students will formulate a mathe model.				atical 4 h
detailed curriculum schedule	3.	. Linear and nonlinear programming 1		Attending lectures. Actively involving students through problem solving and discussion.	Students will formulate a mathem model.	atical 4 h
	4.	Solving linear programming problems: The Simplex method	Solving linear programmingAttending lectures. Actively involving students throughStudents will formulate a mathemathemathemathemathemathemathemathe		Students will formulate a mathem model.	atical 4 h
	5.	Solving linear programming problems: The Excel Solver	1, 2	Attending lectures. Actively involving students through problem solving and discussion.	Students will formulate a mathem model using the excel solver.	atical 4 h
	6.	Postoptimality analysis	1, 2	Attending lectures. Actively involving students through	Students will formulate a mathem model and apply computer tools in	

		1			
			problem solving and	solving linear programming problems	
			discussion.	and recommend and valorize the solution	
				through postoptimality analysis.	
			Attending lectures. Actively	Students will apply computer tools in	4 h
7.	The Transportation problem	1.2	involving students through	solving linear programming problems	
7.	The Transportation problem.	1, 2	problem solving and	and recommend and valorize the solution	
			discussion.	through postoptimality analysis.	
			Attending lectures. Actively	Students will apply computer tools in	4 h
0	The Assistant Decline	1.2	involving students through	solving linear programming problems	
8.	The Assignment Problem	1, 2	problem solving and	and recommend and valorize the solution	
			discussion.	through postoptimality analysis.	
			Attending lectures. Actively	Students will formulate a mathematical	4 h
	An Overview of Various		involving students through	model, apply computer tools in solving	
9.	Applications of Linear Programming	1, 2	problem solving and	linear programming problems and	
	Methods in Practical Examples.	,	discussion.	recommend and valorize the solution	
	Exam preparation			through postoptimality analysis.	
	Network Optimization Models. The		Attending lectures. Actively	······································	4 h
	shortest-path problem. The minimum		involving students through	Students will choose the appropriate	
10.	spanning tree problem. The	3	problem solving and	algorithm and solve the problem on	
	maximum flow problem. The	-	discussion.	network.	
	minimum cost flow problem.				
	•		Attending lectures. Actively	Students will design a model for project	4 h
1.1	Project Management with		involving students through	management and recommend optimal	
11.	PERT/CPM	4	problem solving and	savings by cutting the duration of	
			discussion.	activities.	
			Attending lectures. Actively		4 h
		_	involving students through	Students will propose optimal business	
12.	Dynamic Programming	5	problem solving and	decisions using dynamic programming	
			discussion.	methods.	
			Attending lectures. Actively		4 h
	Decision Analysis. The Decision	_	involving students through	Students will design decision trees for	
13.	Tree	6	problem solving and	decision evaluations and calculate	
			discussion.	information values.	
			Attending lectures. Actively		4 h
	Decision Analysis. Behavioral		involving students through	Students will design decision trees for	
14.	economics.	6	problem solving and	decision evaluations and calculate	
			discussion.	information values.	
		I	415-4551011.		

	15.	Final conclu Exam prepa			1 - 6	involving s problem so discussion	g lectures. Actively g students through solving and n. Group problem nd discussion. Exam on.				4 h
3. EVALUATION OF STUDENTS	WORI	K						•			
3.1. Students` obligations											
	Attendance 0,		0,5	W	/ritten exa	m	3,5 (withou colloquium		Project		
3.2. Monitoring student work (enter	Experi	Experimental work		Re	esearch				Practical work		
the share of ECTS credits for each activity so that the total number of	Essay	•		R	eport				Continuous examination	0,5	
CTS points corresponds to the redit score of the course)	Colloq	Colloquium 4,5 (without written and oral exam)		Se	eminar pap	ber			Other		
	Class a	ctivity 0,5		Oral exam		1 (without colloquium)	Other			
3.3. Student workload	Studen 1. 2.	Attending c	all bases for 1 ECTS lasses and exercises 6 olloquia or exams thro	0 hours				nated as:			
4. GRADING SYSTEM			•								
4.1. Grading seminar papers											
		Unsati	sfactory		Sa	tisfactory			Above averag	ge	
4.2. Grading colloquia/ written and oral exam Responds by memory, without a deeper understanding. Does not know or apply basic terms and concepts. Does not know how to apply or explain the contents of the course with examples.		witho know explai	Reproduces the basic concepts and without difficulty imparts new knowledge, understands the material, explains the terms and concepts supported with examples.		thoroughly explains the content of the material, and			d epts e not			

	Activities in class		Preparation for teaching units; Understanding previous content; Participation in solving tasks together $0-20$ points					
4.3. Final grade according to evaluation elements	Seminar papers						-	
	Colloquium/written exam		Preparation/learning; Scoring and grading according to correct answers in the test. 0-80 points (min 40 points)					
	Oral exam		Preparation/learning; additional verification of unachieved learning outcomes					
4.3. Final grade according to absolute division		Percentage of acqu knowledge, skills competences (teacl + final exam)		Numerical grade	ECTS grade			
	1	90 - 100%		5 (excellent)	А			
	1	80 - 89	,	4 (very good)	В			
	1	65 – 79		3 (good)	С			
	I	50-64,9%		2 (satisfactory)	D			
5. ADDITIONAL COURSE INFOR	RMATION							
5.1. Compulsory literature (available in the library and via other media)	Title					Number of copies in the library	Availability via other media	
	Neralić, L.: Uvod u matematičko programiranje 1, Zagreb, 2012. Hillier F., Lieberman G.: Introduction to operations Research, McGraw Hill 8th ed. 2005, 8th Ed.						3	
5.2. Additional literature (at the moment of changes and/or amended of study programme)	Lukač Z., Neralić L.: Operacijska istraživanja, Element 2013. Babić Z., Linearno programiranje, Sveučilište u Splitu , Split 2010.							
5.3. Quality assurance methods that ensure the acquisition of knowledge, skills and competences	The control of students' work quality and the acquisition of necessary knowledge and skills will be ensured through interactive work. By keeping track of attendance and student activity during classes and provided information on students` progress through short colloquiums and homework, information for further guidance to students will be provided in order to increase the efficiency of their work. Students will be informed about their rights and obligations as well as the methods of work and the required literature. Indicators of quality assurance system: Student survey, monitoring of annual data from the Croatian employment service on the annual state of student employment, surveys from employers and Alumni association.							
5.4. Informing about the course and contacting the teacher	It is the responsibility of each student to be regularly informed about the course, the coursework, and the classroom activities. All notices of classes or possible adjournment will be published in a timely manner on the e-learning site of the course and on the website of the Polytechnic. Students can contact teachers during the consultation period (at least one hour per week), while for short questions and explanations they can be contacted during							

class. It is also possible to ask questions by e-mail (from the official e-mail address at @ vus.hr), which will be answered as soon as possible (no later than five working days after receiving the e-mail).