

## POLYTECHNIC OF MEÐIMURJE IN ČAKOVEC

COURSE SYLLABUS					
ACADEMIC YEAR: 2020/2021					
1. GENERAL COURSE INFORMATION					
1.1 Course name	Apply your computer in business practice				
1.2 Study program/s	Undergraduate professional studies Management of tourism and sports				
1.3 Course status (O,E)	A <b>1.6 Mode of Lectures</b> 30				
1.4 Course code		instruction	Exercise	30	
1.5 Course abbreviation	PRUPP	(number of	Seminar	-	
1.6 Semester	1.	hours)	E-learning	Merlin	
1.7 ECTS	6	1.7 Place and	The premises of the		
		time of	Polytechnic of Međimurje in		
		instruction	Čakovec, according to the		
			schedule put	olished on the	
			website		
2. TEACHING STAFF		I	Γ		
2.1 Course leader/s-title	Nenad Breslauer, v.	Contact	nbreslauer1(	@mev.hr	
		Contact			
2.2 Assistant/s- title		Contact			
		Contact			
2.3 Instruction held by-		Contact			
title					
3. COURSE DESCRIPTION			· ·		
S.1 Course goals After the course, the student will acquire knowledge on the application of information technology in business within the scope of the computer in the organization and information of the office using modern computer technologies. Knowledge in the field of computer applications in office business, the production of complex documents, the application of theInternet in operation, the organization of work, standards and standards in business using the Microsoft operating system and office tools. It has a sufficiently broad knowledge that enables the rapid application of new technologies but also its application in other subjects of the study.					
3.2 Prerequisites	There are no conditions. The Application of Computers in Business Practice				
3.3 Course outcomes	After a successfully mastered course, students will be able to: 11 - Describe the basic concepts in the field of informatics. 12 - Recognize the characteristics of embedded components and peripherals. 13 - Create complex documents for a wide range of office tasks using office complex word processing tools 14 - Combine different possibilities of spreadsheet and presentation program in order to solve project tasks 15 - Combine the possibilities provided by the Internet to achieve the desired goal				
3.4 Course content	The course provides conter basic terms in informatics, Systems and MS Office too	nt related to historic computer mode, cc ls.	cal computer computer computer build,	levelopment, Operating	

3.5 Types of coursework     X     Lectures     X     Exercises     Blended e- learning     X     Individual activities     Lab	
A Lectures A Exercises learning A activities	horatory
	boratory
Seminars Distant Field Multimedia	
x and learning classes and Me	entorship
WORKShops network	
Other	
3.6 Language of Croatian	
Instruction	
<b>3.7 Monitoring students'</b> 2 Class attendance 1 Seminars Essay	
Work (enter the Class activity Project Report/pape	r
number of ECTS Continuous	
credits for each 1 Midterm exams 2 Practical task knowledge ch	heck
activity so that the Written evam	
total number of whitehexam Experimental work	
ECTS credits is equal Oral exam Research	
to the total ECTS	
value of the course,	
1 ECTS = 30 hours)	
3.8 Assessment and	
evaluation of Activity Specification Percentage % Score	
students' work     Presence in class     2.5%     2.5	
during classes and at Activity in Class 2,5% 2,5	
the final exam     Seminar work/ project/ essay     10%     10	
Colloquium 1     42%     42	
Colloquium 2 43% 43	
Evaluation of exam work for students who did not co-late	
Willen exam     80%     80       Total:     100%     100	
3.9 Assessment criteria –	
analysis per learning Ways of evaluating learning outcomes	
Outcomes Attendance Activity exam 1 exam 2 work	Total
Outcome 1     10	10
Outcome 2     10     15	15
Outcome 3     22	15
Outcome 4     23	15
Outcome 4     23     23       Outcome 5     5     5	15 15
Outcome 4     23       Outcome 5     5       Outcome     2,5       Outcome     2,5	15 15 15
Outcome 4     23     23       Outcome 5     5     5       Outcome not-related     2,5     2,5     10       Total     2,5     2,5     42     43     10	15 15 15 <b>100</b>
Outcome 4     23       Outcome 5     5       Outcome     2,5       Outcome     2,5       Total     2,5       Grading of outcomes (in order to pass the mid-term exam/exam the students)	15 15 15 <b>100</b> udent
Outcome 423Outcome 55Outcome not-related2,52,52,5Total2,52,5424310Grading of outcomes (in order to pass the mid-term exam/exam the stumust achieve at least 50% points for each learning outcome)	15 15 15 <b>100</b> udent
Outcome 423Outcome 55Outcome not-related2,52,52,5Total2,52,5424310Grading of outcomes (in order to pass the mid-term exam/exam the stumust achieve at least 50% points for each learning outcome) PointsPointsGrade	15 15 15 100 udent
Outcome 423Outcome 55Outcome2,5Outcome2,510Total2,52,5424310Grading of outcomes (in order to pass the mid-term exam/exam the stumust achieve at least 50% points for each learning outcome)PointsGrade89 - 100excellent (5)	15 15 15 100 udent
Outcome 423Outcome 55Outcome not-related2,52,52,5Total2,52,5424310Grading of outcomes (in order to pass the mid-term exam/exam the stumust achieve at least 50% points for each learning outcome) PointsPointsGrade 89 - 10089 - 100excellent (5) 76 - 8876 - 88very good (4)	15 15 15 100 udent
Outcome 423Outcome 55Outcome not-related2,52,52,5Total2,52,5424310Grading of outcomes (in order to pass the mid-term exam/exam the stumust achieve at least 50% points for each learning outcome)PointsGrade 89 - 10089 - 100excellent (5) 76 - 8876 - 88very good (4) 63 - 7563 - 75good (3)	15 15 15 100 udent
Outcome 423Outcome 55Outcome2,52,52,5Total2,52,5424310Grading of outcomes (in order to pass the mid-term exam/exam the stumust achieve at least 50% points for each learning outcome)PointsGrade89 - 100excellent (5)76 - 88very good (4)63 - 75good (3)50 - 62pass (2)	15 15 100 udent
Outcome 423Outcome 55Outcome not-related2,52,5Total2,52,5424310Grading of outcomes (in order to pass the mid-term exam/exam the stumust achieve at least 50% points for each learning outcome)PointsGrade 89 - 10089 - 100excellent (5)76 - 88very good (4)63 - 75good (3)50 - 62pass (2)0 - 49fail (1)	15 15 15 100 udent
Outcome 423Outcome 55Outcome2,5Outcome2,5Outcome2,5Total2,5Z,5424310Grading of outcomes (in order to pass the mid-term exam/exam the stumust achieve at least 50% points for each learning outcome)PointsGrade89 - 100excellent (5)76 - 88very good (4)63 - 75good (3)50 - 62pass (2)0 - 49fail (1)If the student collects 50% of the points of each outcome directly acces	15 15 100 udent
Outcome 423Outcome 55Outcome0.trelated2.52.52.510Total2.52.5424310Grading of outcomes (in order to pass the mid-term exam/exam the stumust achieve at least 50% points for each learning outcome)PointsGrade89 - 100excellent (5)76 - 88very good (4)63 - 75good (3)50 - 62pass (2)0 - 49fail (1)If the student collects 50% of the points of each outcome directly accessrelated with takingIf a student does not achieve a sufficient number of points	15 15 100 udent ss orally on the
Outcome 423Outcome 55Outcome2,5Outcome2,5Outcome2,5Total2,5Z,542Grading of outcomes (in order to pass the mid-term exam/exam the stumust achieve at least 50% points for each learning outcome)PointsGrade89 - 100excellent (5)76 - 88very good (4)63 - 75good (3)50 - 62pass (2)0 - 49fail (1)3.10 Specific featuresIf the student collects 50% of the points of each outcome directly accesrelated with taking the courseIf a student does not achieve a sufficient number of pointsmidterm exam, he cannot take the next midterm exam.	15 15 15 100 udent ss orally on the
Outcome 423Outcome 55Outcome 2,52,5Outcome 2,52,5Outcome 2,52,5Total2,5Total2,5Outcome 2,510Total2,5Outcome 2,510Grading of outcomes (in order to pass the mid-term exam/exam the strumust achieve at least 50% points for each learning outcome)PointsGrade89 - 100excellent (5)76 - 88very good (4)63 - 75good (3)50 - 62pass (2)0 - 49fail (1)3.10 Specific features related with taking the courseIf the student collects 50% of the points of each outcome directly access exam. If a student does not achieve a sufficient number of points midterm exam, he cannot take the next midterm exam. Once won points in intermediate exams for each learning outcome	15 15 15 100 udent ss orally on the
Outcome 423Outcome 55Outcome2,5Outcome2,510Total2,52,5424310Grading of outcomes (in order to pass the mid-term exam/exam the stumust achieve at least 50% points for each learning outcome)PointsGrade89 - 100excellent (5)76 - 88very good (4)63 - 75good (3)50 - 62pass (2)0 - 49fail (1)If the student collects 50% of the points of each outcome directly accessrelated with taking the courseIf the student does not achieve a sufficient number of pointsmidterm exam, he cannot take the next midterm exam. Once won points in intermediate exams for each learning outcome longer deleted unless the student decides to correct the result for each learning	15 15 15 100 udent ss orally on the are no learning

	point exam final Full-t hour Part- hour If the to at Atter assig form abse stude the t decic the c	ts for that learning outcome are entered. A student cannot access the n period if he / she has not submitted and presented seminar paper. The grade is obtained on the oral part of the exam. time students are required to attend at least 70% of the total number of s of lectures and exercises in order to exercise the right to take the exam. time students are required to attend at least 30% of the total number of s of lectures and exercises in order to exercise the right to take the exam. time students are required to attend at least 30% of the total number of s of lectures and exercises in order to exercise the right to take the exam. the student has not fulfilled all the obligations set by the course, he is obliged tend the lectures again and meet the conditions for taking the exam. Indance can be offset by online tuition, organised webinars and added numents given by teachers. One lesson lasts 45 minutes, and several hours a teaching unit. Absence from one teaching unit is counted as one ince. Delays and apologies are recorded separately. In that case, if the ent missed more than 50% of classes, and has a justifiable reason/apology, request should be submitted to the Department Council, which then des on the justification of student absences with the obligatory opinion of ourse leader.		
3.11 Students obligations	Full-t	ime students are required to attend at least 70% of the total number of		
	nour Part-	time students are required to attend at least 30% of the total number of		
	hour If the	s of lectures and exercises in order to exercise the right to take the exam. e student has not fulfilled all the obligations set by the course, he is obliged		
	to at	tend the lectures again and meet the conditions for taking the exam.		
	adde	d assignments given by teachers. One lesson lasts 45 minutes, and several		
	hours form a teaching unit. Absence from one teaching unit is counted as one			
	student is absent from more than 50% of classes, and has a justifiable reason /			
	apology, a request should be submitted to the Department Council, which then			
	decio	les on the justification of student absences with the obligatory opinion of		
3.12 Written	Semi	nar papers must be computer written and may have a maximum of 12 text		
assignments	cards	s (Times New Roman, font 12) from introduction to conclusion, together		
	with	pictures, table appendices, etc. Seminar papers must have an adequate		
	divid	ed into chapters and contain a list of references and a list of figures and		
	tables and graphs and finally a summary / conclusion in the size of 250 words.			
	The s	student guarantees the authenticity of the work with his signature.		
3.13 Required reading	1.	2. Panian, I. Strugar, Application of computers in business practice, 2. Synergy,Zagreb, 2004.		
	2	Grundler, Gvozdanović, Ikica,Kos, Lipljin, Milijaš, Srnec, Zvonarek:ECDL		
		5.0 – Basic program, PRO-MIL, Varaždin, 2010		
	3.	Practice		
3.14 Additional reading	1.	Materials on the e-learning system (moodle.srce.hr)		
	2.			
4 ADDITIONAL COURSE IN	FO <u>RM</u>	ATION		
4.1 Quality control	The	quality of the program, teaching process, teaching skills and level of		
	mast	ery of the material will be established by conducting a written evaluation		
	base with	the by-laws of the Polytechnic of Medimurie in Čakovec.		
	with the synaws of the rolytechnic of Mediniarje in Cakovec.			

4.2 Contact the teacher	Students can contact the teacher during the office hours and during classes, while for short questions and explanations they can contact him/her any day during working hours by coming in person or by landline. It is also possible to ask questions by e-mail, which will be answered in 48 hours at the latest. It is desirable for students to come as often as possible for any possible questions during the teacher's office hours.
4.3 Information about the course	It is the obligation of each student to be regularly informed about the course. All notifications about the classes or possible postponement of classes will be posted on the bulletin board and on the website of the Polytechnic at least 24 hours in advance.
4.4 Course contribution to the study program	Present information, ideas, problems and solutions to the professional and general public, Apply new technologies and techniques in the process of lifelong learning, Critically evaluate arguments, assumptions and data in order to form an opinion and contribute to the solution of the problem

## 5. ANALYSIS OF COURSE TOPICS (the number of hours is equal to the number of lectures and exercises of the course)

LECTURES						
Hours	Topic and description	Method	Learning outcomes	Course outcome		
1.	Introduction to the content of the course.	Presentation, pp presentation	Introduce students to the program, themes and the way they work.	11		
2.	A brief history and trends in the development of information technologies.	Presentation, pp presentation, quiz	Present historical development of computers	11		
3.	Information technology in business.	Presentation, pp presentation, quiz	Present Information Technologies	11		
4.	Computer classification, structure and basic parts	Presentation, pp presentation, quiz	Classify computers	11		
5. 6.	Computer system, data and information	Presentation, pp presentation, quiz	Distinguish terms computer system, data and information	11		
7. 8.	Computer system, data and information	Presentation, pp presentation	Explain processes and stages in a computer system	11		
9.	Computer algorithms and programming	Presentation, pp presentation	Explain the concept of algorithm.	11		
10. 11.	System Software	Presentation, pp presentation	Distinguish between different types of software	11		
12. 13.	Computer system model: processor, input - output subsystem of the computer	Presentation, pp presentation	Present Von Neumanno's computer system model	12		

14.	PC components	Presentation, pp presentation	Distinguish between PC components	12			
15. 16.	Input and output devices	Presentation, pp presentation	Distinguish between input/output devices	12			
17. 18.	Colloquium						
19.	Organisation and data management	Presentation, pp presentation	Distinguish between data types and compression types	11			
20.	Storing data on your computer	Presentation, pp presentation	Define what disks, folders, files, and file types are, and apply different ways of storing data	12			
19. 20.	Computer communications and networks	Presentation, pp presentation	Identify and apply different types of computer networks with regard to connection technology and reach.	15			
21. 22.	Internet and electronic business	Presentation, pp presentation	Explain the types of events and their propagation	15			
25. 26.	Business information systems	Presentation, pp presentation	Understand the concept of IS, the purpose and task of IS	15			
27. 28.	Virtual and augmented reality Selected topics of importance in informatics	Presentation, pp presentation	Explain the concept of virtual and augmented reality, personal computing, nettiquette,blogs, "internet of things"	15			
29. 30.	Colloquium						
	EXERCISES/ SEMINARS						
Hours	Topic and description	Method	Learning outcomes	Course outcome			
1.	Learn about the program, themes, and how to work	Guided task, examples, and self-creating tasks	Basic concepts related to INFORMATICS and a brief analysis of students' pre- knowledge and experiences	11			

2.	MS Windows 10 operating system,	Guided task, examples,	Use The Computer	11
	file system	and self-creating tasks	Environment	
			Apply the file	
3.	Manage files	Guided task, examples,	system to a	11
		and self-creating tasks	convenient	
			example of work.	
			Apply the file	
4.	Manage files	Guided task, examples,	system to a	11
		and self-creating tasks	convenient	
			example of work.	
			Explain how search	
5.	Advanced Internet Search	Guided task, examples,	engines and	15
		and self-creating tasks	directories work on	
			the Internet	
		Guided task, examples,	Use the system to	
6.	Using an email system	and self-creating tasks	send and receive	11
			emails	
_	lext processing, document work,	Guided task, examples,	Create and format	10
7.	type, mark and edit text, text and	and self-creating tasks	text and paragraph	13
	paragraph formatting			
0	work with pictures, prepare to	Guided task, examples,	Create a mail	2
δ.	print, merge, save a document in	and self-creating tasks	merge	13
	another format		Apply styles	
		Guidad task avamplas	Apply styles,	
9.	Styles, numbering, and sections	and solf croating tasks	numbering, column	13
		and senforeating tasks	footnotes in text	
			numbering table of	
	Page numbering table of contents		contents	
10.	hookmarks and cross-references	Guided task, examples,	bookmarks and	13
	tabs, home page	and self-creating tasks	cross-	
			references.tab.ori.	
			home page	
			Create tables.	
	Work with tables, images,	Guided task, examples,	mathematical	
11.	mathematical expressions,	and self-creating tasks	expressions, and	13
	graphically display data		graphics	
12	Macros croate and fill a form	Guided task, examples,	Create a macro and	13
12.	Macros, create, and fin a form	and self-creating tasks	form	15
12	Colloquium 1	Independently	Verification of	
15.		паеренаения	outcomes I4	13
14.				
	Spreadsheets, input and data type,	Guided task examples	Create and format	
15.	formulas, operators, cell	and self-creating tasks	a spreadsheet	14
	addresses, comments, worksheets	מווע שנוויט במנוווצ נמשתא	a spiedusneet	
16	Formulas and functions	Guided task, examples,	Apply Formulas and	1/1
10.		and self-creating tasks	Functions	14
	Work with data group filter cort	Guided task examples	Apply grouping,	
17.	nivot tables	and self-creating tasks	filtering, sorting,	14
		מות שנויינו במנוווצ נמשגש	and pivoted tables	
18	Conditional Formatting	Guided task, examples,	Apply Conditional	IЛ
10.		and self-creating tasks	Formatting	14

19.	Scenarios, macro command, and document protection	Guided task, examples, and self-creating tasks	Apply scenarios, macro command, and document protection	14
20.	Task	Guided task, examples, and self-creating tasks	Solve a business communication task set up on your own using a spreadsheet	14
21.	Presentations, theme selection, element input	Guided task, examples, and self-creating tasks	Create a presentation	14
22.	Create a Master Slide	Guided task, examples, and self-creating tasks	Create a Master Slide	14
23.	Presentation effects	Guided task, examples, and self-creating tasks	Apply presentation effects	14
24.	Preparing output results	Guided task, examples, and self-creating tasks	Create output results	14
25.	Explain the application of tags in HTML	Guided task, examples, and self-creating tasks	Explain the application of tags in HTML	15
26.	Apply HTML elements when creating a page	Guided task, examples, and self-creating tasks	Apply HTML elements when creating a page	15
27. 28.	HTML Page Structure	Guided task, examples, and self-creating tasks	Apply HTML elements when creating a web page	15
28.	Create a simple HTML alien on your own	Guided task, examples, and self-creating tasks	Create a simple HTML alien	15
29. 30.	Colloquium 2	Independently	Verification of outcomes I5	14