Engineering Subject title	and code: IT P	roject, BMV	ITM4BNF		Credits:	
Full-time		•	semester			
		year				
	available at:		ical engineering			
Supervised b	•	solt Csaba	Instructors:	Dr. habil Zsolt Csab	a Johanyák	
	Johanyák					
Prerequisite	(neptun code):	***/ 11	1 61		_	
Lastuma. 2	Canava sominor		mber of lesson Lab:		ıltation:	
Lecture: 2	Group seminar			Collst	11111011.	
Way of asses	sment: Midterm mark	(Written and	orai)			
Onling gangu	ltation (in case it's requ	ivad):	BBB link)			
	This course is designe			eal world IT project s	congrios tacklin	
goal:	complex problems in					
gour.	learning fostering tear					
	technologies. The prin					
			_			
	Python development or the usage of visual tools such as Orange. The course is designed to be adaptable, with a focus on experiential learning. The specific					
	tools and technologies	will depend o	on the actual pro	oject assignments.		
		Sc	hedule			
Education			Topics			
week						
1.	Team formation and intro		led discussion of	the project assignment v	with each team.	
2	Clarification of expectations and goals.					
2.	Overview of theoretical concepts relevant to mechatronics/mechanical engineering IT projects. Discussion of necessary software tools based on each team/project. Q&A session for clarification					
3.	Introduction to Agile methodologies in the context of IT projects. Overview of IT project					
٥.	management principles. Comparison between plan-driven traditional development methods and					
	Agile approaches.	_	_	-		
4.	Detailed discussion on pr					
-	responsibilities within tea					
5.	Practical session on Pytho basic functionalities relate	-	_	, , ,	implementation of	
6.	Midterm presentation.				ructor feedback	
0.	provided. Evaluation crite		anen pregress un	a manga rea and ma		
7.	Individual consultations v	with teams to re	eview midterm fe	edback. Addressing cha	llenges.	
	Introduction to best practices for issue resolution in IT projects.					
8.	Ongoing project develop				ionitor progress and	
9.	address questions. Troubleshooting sessions based on team needs. Ongoing project development with guidance and support. Weekly check-ins to monitor progress and					
7.		ldress questions. Troubleshooting sessions based on team needs.				
10.	Rectoral break					
11.	Ongoing project development with guidance and support. Weekly check-ins to monitor progress and					
	address questions. Troubl					
12.	Focus on finalizing project	cts. Guidance o	on quality docum	entation practices. Prepa	ring for the final	
10	presentation and report.	. •		1.0" 1" 7 1 1	1 0	
13.	Final presentation. All teams present their final projects and findings. In-depth evaluation of					
	project solutions and documentation quality. Peer and instructor feedback provided. Optional make-up presentation for any team requiring one. Course reflection and discussion on					
1/1	lessons learned. Wrap-up				arscussion on	
14.					-	
14.		Mid-semeste	er requiremen	LO		
14.	Test		•		acurament	
14.	Test		to be submitted deadlines	Lab me	asurement	

		1	Week 13						
According to the Study and Examination regulations of Óbuda University attendance of group seminars and lab exercises are mandatory.									
Other requirements for participation in sessions not covered by the regulations and restrictions on substitutions:									
Test		Assignment to be submitted		Lab measurement					
maximum points availablepoints	minimum score required to pass /test points	maximum points available 100points	minimum score required to pass / assignment 40points	maximum points available points	minimum score required to pass /lab points				

Total number of points achievable in semester:points							
Grading	satisfactory	average	good	excellent			
thresholds	40 points and	55 points and	70 points and	85 points and above			
	above	above	above				
Other evaluation crite Students have to do a final score. Besides,	midterm presentati						
solved the assignmen							
Receive a signature	During the se	emester, the midterm	requirements can be	replaced in the case			
denied entry:	of illness.		•	•			
In the case of an unsuccessful final report presentation, a replacement is possible within the first 10 working days of the examination period, within the framework of a fee-based Replacement Examination.							
Required references							
Recommended references:							
Quality assurance n	nethods of the	=					
subject:							

Things, that are not included, can be found within the regulations of Óbuda University.