COURSE TITLE	Advanced web programming									
Course code	DPR002		Year of st	Year of study			1.			
	Marina Rodic, senior		ECTS	ECTS		6				
Lecturer(s)	lecturer (Number of allocated)			of cr )	edits					
Associates		Total lesson		ours per	Lecture	Seminar	Practical	Laboratory		
	semest					30	15	15		
Course status	Core	Percentage learning	ge sl	hare of e-	50%					
COURSE DESCRIPTION										
Course Objectives	<ul> <li>understanding of basic terms and procedures in the field of creating and designing web applications</li> <li>theoretical and practical student preparation for the web application development</li> </ul>									
Course enrolment requirements and entry competencies required for the course	Good knowledge of programming in one of the programming languages (Python, Java, C#, PHP, etc.)									
Learning outcomes On successful completion of this course, student should be able to:	<ol> <li>Create server and client side communication on the network.</li> <li>Create an application guided by the principles of MVC and REST API.</li> <li>Analyze the concepts of validation, authentication and authorization.</li> <li>Design a solution using asynchronous concepts.</li> <li>Create reactive components in the user interface.</li> <li>Anticipate Internet security issues</li> </ol>									
Course content	Introduction. Reviewing the basics of the command line and open source versioning systems. Selected programming language. Client application development using mocked data. Server application development and web API modeling. Connecting server and client applications. Security authentication, authorization, CSRF token, CORS headers.					ning I mocked and eaders.				
Types of teaching:	<ul> <li>☑ lecture</li> <li>□ seminars and workshop</li> <li>☑ practical</li> <li>□ combined e-learning</li> <li>□ field research</li> </ul>			<ul> <li>☑ self-study</li> <li>□ multimedia</li> <li>□ laboratory</li> <li>⊠ mentoring work</li> <li>□ (others)</li> </ul>						
Student obligations	Attending classes, seminar, exams.									
Monitoring student	Class attendance	2	Research		0,5	Practical	work			
work (enter the share in ECTS credits for each activity so that the total number of ECTS credits corresponds to the credit value of the course):	Experimental work	Report				(0	others)			
	Essay		Seminar		0,5	(0	others)			
	Self-study	0,5	Workshop			(0	others)			
	Project	2,4	Office hours mid-term exams and		0,1	(c	others)			

			final exam					
	CONTINUOUS ASSESSMENT							
	Continuous testing indicators				Performance <i>A</i> i (%)	Grade ratio <i>k</i> i (%)		
	Successfully comple	eted ex	kercises.		50 -100	50		
	Attendance and acti Successfully comple	ivity at eted pr	lectures. oject.		50 - 100	50		
Assessment and evaluation of student work during classes and at the final exam	FINAL ASSESSMENT							
	Indicators checks (first and second final exam terms)				Performance A <sub>i</sub> (%)	Grade ratio <i>k</i> i (%)	ade ratio <i>k</i> i (%)	
	Practical exam (on o	compu	iter and oral)		50 - 100	50		
	Theoretical exam (written and/or oral)				50 - 100	10		
	Previous activities (	contin	uous assessm	ent)	50 - 100	40		
	The grade (in percentages) is formed on the basis of all indicators that describe the level of student activities according to the relation: $Grade (\%) = \sum_{i=1}^{N} k_i A_i$ $k_i$ - weighting factor for each activity, $A_i$ - success in percentage achieved for a particular activity, $N_i$ - total number of activities							
	Percentage		Criteria basic criteria met			Grade		
	62% - 74%		average perfor	mance w	vith some errors	good (3)		
	75% - 87%	75% - 87% above average perform				very good (4)		
	88% - 100%		outstan	ormance	outstanding (5)			
Required reading	Teaching materials from lectures. (Moodle)							
Optional reading								
Quality monitoring to ensure the	<ul> <li>Records of class attendance and success in performing student obligations</li> <li>Updating detailed course curricula</li> </ul>							

acquisition of established learning outcomes	<ul> <li>Supervision of teaching activities</li> <li>Continuous quality control of all parameters of the teaching process in accordance with the Action Plans</li> <li>Semester-based student survey in accordance with the "Ordinance on the procedure of student evaluation of teaching work at the University of Split" (UNIST, Centre for Quality Improvement).</li> </ul>
Other information	