COURSE TITLE	APPLIED ARTIFICIAL INTELLIGENCE									
Course code	DPR006		Year of st	r of study			1.			
	Toma Rončević, PhD,		ECTS	6						
Lecturer(s)	senior lecturer		(Number of credits allocated)							
Assasistas	/		Total lesson h semester		hours per	Lecture	Seminar	Practical	Laboratory	
Associates						30	15	15		
Course status	Compulsory		Percentage learning	ge sh	are of e-	50%	50%			
COURSE DESCRIPTION										
introduction to methods from artificial intelligence										
	application of artificial intelligence methods on specific probler							IS		
Course enrolment requirements and entry competencies required for the course	Advanced programming skills									
Learning outcomes	1. define basic methods and algorithms from area of artificial intelligence,									
	3 select met	 aemonstrate ideas behind different algorithms and their use, select methods for specific problems 								
On successful 4. recognize problems adequate for methods from artificial intelligence.							ence,			
course, student 5. formulate problems as problems from area of artificial intelligence						ice				
should be able to:	ble to: 6. evaluate applications and background algorithms used for their implementa							ntation.		
Course content	Introduction and motivation for use of methods from area of artificial intelligence and their application. Programming, algorithms and data structures. Agents and environments. Informed and uninformed search. Reinforcement learning. Two player games: minimax and MTCS algorithms. Machine learning. Linear models for regression and classification. Neural nets. Using regression models for reinforcement learning. Other types of learning. Application of machine learning for other domains.									
	⊠lecture			⊠se	⊠ self-study					
Types of teaching:	oxtimes seminars and workshop			🗆 multimedia						
	⊠ practical			⊠ laboratory						
	⊠ combined e-learning			L mentoring work						
Student obligations	Attending classes, laboratories, exams.									
	Class attendance	2.0	Research	().5	Practica	work			
Monitoring student 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		Desert				(1			
	work		Report			(0	others)			
	Essay	Seminar		2	2.8	(0	others)			
	Self-study	0.5 Workshop)		(0	others)			
	Project		Office hou mid-term exams an final exam	urs, d).2	(0	others)			

	CONTINUOUS ASSESSMENT								
	Continuous testing ind	icators	Performance Ai (%)	Grade ratio <i>k</i> i (%)					
	Attendance and labora	itory	50-100	20					
	Seminar		50-100	80					
	FINAL ASSESSMENT								
	Indicators checks Performance Grade Ai (%) Ki (%)								
	Final exam		50 - 100	50					
	Previous activities		50 - 100	50					
Assessment and evaluation of student work during	Indicators checks		Performance <i>A</i> i (%)	Grade ratio <i>k</i> i (%)					
classes and at the	Final exam		50 - 100	50					
	Previous activities		50 - 100	50					
	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- total number of activities.								
	PERFORMANCE AND GRADE								
	Percentage	Criteria	Grade						
	50% - 61% basic cr		a met	sufficient (2)					
	62% - 74%	average performance v	vith some errors	good (3)					
	75% - 87% above average performer of the second sec		nance with minor	very good (4)					
	88% - 100%	outstanding performance		outstanding (5)					
Required reading	1. Notes from lectu	ires							
Optional reading	1. S. Russell, P. N edition, 2009.	orvig, Artificial Intelligence	: A Modern Approa	ach, Prentice Hall,	3.				
Quality monitoring to ensure the acquisition of established learning	 Records of class attendance and success in performing student obligations Updating detailed course curricula Supervision of teaching activities Continuous quality control of all parameters of the teaching process in 								

outcomes	accordance with the Action Plans	
	 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). 	
Other information	/	