	wei, Lieu	uonic and rele	communication Engineering	(Communications recimologies and Signal
Processing)			6 6 6	
Course Unit Title: Intro	oduction	to Information	Theory	
Course Unit Code: EK	310			
Name of Lecturer(s): V	/ojin Šen	k		
Type and Level of Stud	lies:Bacl	nelor level		
Course Status (compul	sory/elec	ctive): compuls	ory	
Semester (winter/summ	ner): wir	nter		
Language of instruction	n:englisł	1		
Mode of course unit de	elivery (f	ace-to-face/dist	ance learning): face-to-fac	ze –
Number of ECTS Allo	cated:5			
Prerequisites:none				
Course Aims:				
Introduction to the basic	s of the i	nformation theo	ory and an overview of algor	ithms used in information processing
Learning Outcomes:				
The knowledge of basic	postulate	es of the inform	ation theory	
The knowledge of busic	1		2	
	1			
Syllabus:				ck code for data compression, optimal prefi
Syllabus: - Introduction to informa	ation theo	ory; - Source co	ding (statistical coding), blo	ck code for data compression, optimal prefix rithms; - Protective coding (Model of the
Syllabus: - Introduction to informa code (Huffman code), A	ation theo rithmetic	ory; - Source co coding, Univer	ding (statistical coding), blo rsal codes, Lempel-Ziv algor	rithms; - Protective coding (Model of the
Syllabus: - Introduction to informa code (Huffman code), A communication channel,	ation theo rithmetic , Trans in	ory; - Source co coding, Univer formation, Equ	ding (statistical coding), blo rsal codes, Lempel-Ziv algo ivocation, Irrelevance, Chan	rithms; - Protective coding (Model of the
Syllabus: - Introduction to informa code (Huffman code), A communication channel, Optimal decoding. MAF	ation theo rithmetic , Trans in	ory; - Source co coding, Univer formation, Equ	ding (statistical coding), blo rsal codes, Lempel-Ziv algo ivocation, Irrelevance, Chan	rithms; - Protective coding (Model of the anel capacity and the methods of calculation,
Syllabus: - Introduction to informa code (Huffman code), A communication channel, Optimal decoding. MAF their decoding)	ation theo rithmetic , Trans in ? criterior	ory; - Source co coding, Univer formation, Equ n, The propertie	ding (statistical coding), blo rsal codes, Lempel-Ziv algo ivocation, Irrelevance, Chan s of binary symmetric chann	rithms; - Protective coding (Model of the anel capacity and the methods of calculation,
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