KEEI, UZ
DESCRIPTION OF THE PROMENG Curricula/Module

TITLE OF THE MODULE	Code
Applied informatics and digital data transmission system	

Teacher(s)	Department
Coordinating: Zair Uzakov, Associate Professor Others: Alisher Mallaev, Associate Professor Adilbek Turgunov, Associate Professor Shamsiddin Haydarov, Associate Professor Samijon Panjiev, Senior Lecturer Tulkin Juraev, assistant Professor	Teachers of the chair of "Automatics and Information Technologies". For students of the faculty of Industrial technologies and for students of the Karshi Branch of Tashkent University of Information Technologies

Study cycle	Level of the module	Type of the module
IV and V semesters	6	

Form of delivery	Duration	Langage(s)
Lectures and practice	5+5=10 months	Uzbek and Russian

Prerequisites	
Prerequisites: Initial concepts on Informatics and Information Technologies	Co-requisites (if necessary): no, there is no need

Credits of the module	Total student workload	Contact hours	Individual work hours
5	124 hours	84 hours	40 hours

Aim of the module (course unit): competences foreseeen by the study programme		
To give the students knowledges and practical skills on communication systems and subsystems, digital wireless data transmission, protocols and formats, signals and systems		
Learning outcomes of module (course unit)	**Teaching/learning methods**	**Assessment methods**
Communication systems and subsystems	Lecture, handouts, examples, practical exercises, using presentation, working in small groups	Test, colloquium, written work, performance of practical exercises, personal activity, casestudy dicision
Digital wireless data transmission	Lecture, handouts, examples, practical exercises, using presentation, working in small groups	Test, colloquium, written work, performance of practical exercises, personal activity, casestudy dicision
Protocols and formats	Lecture, handouts, examples, practical exercises, using presentation, working in small groups	Test, colloquium, written work, performance of practical exercises, personal activity, casestudy dicision
Signals and systems	Lecture, handouts, examples, practical exercises, using presentation, working in small groups	Test, colloquium, written work, performance of practical exercises, personal activity, casestudy dicision

Themes	Contact work hours							Time and tasks for individual work	
	Lectures	Consultations	Seminars	Practiacl work	Laboratory work	Placements	**Total contact work**	**Individual work**	**Tasks**
Communication systems and subsystems	6	2		8	6		**14**	**8**	
Digital wireless data transmission	8	2		10	10		**20**	**10**	
Protocols and formats	6	2		10	8		**16**	**10**	
Signals and systems	14	2		12	18		**34**	**12**	
Iš viso	**34**	**8**		**40**	**42**		**84**	**40**	

Assessment strategy	Weight in %	Deadlines	Assessment criteria
Attendance and activity	30	During course	Students' competence in subject (theoretical and practical knowledge of subject's content, the ability to analyze and synthesize, practical skills)
Competence	40	During course	Students' competence in subject (theoretical and practical knowledge of subject's content, the ability to analyze and synthesize, practical skills)
Individual work	30	During course	Students' competence in subject (theoretical and practical knowledge of subject's content, the ability to analyze and synthesize, practical skills)

Author	Year of issue	Title	No of periodical or volume	Place of printing. Printing house or intrenet link
Compulsory literature				
Крухмалев В.В., Гордиенко В.Н., Моченов А.Д.	2007	Цифровые системы передачи		Москва.: Горячая линия-Телеком, 2007. – 350 с.
Additional literature				
Ломовицкий В.В. и другие	2005	Основы построения систем и сетей передачи информации		Москва.: Горячая линия-Телеком, 2005. – 382 с.