UNIVERSITY "UKSHIN HOTI" PRIZREN
Educational faculty

PROGRAM: **Basic**

SYLLABUS

Level of studies		Bachelor	Program	EDU-Bos	Academic year		2018/2019	
SUBJECT			IT in primary education					
Year	1rd	Status Of the subject	Obligatory	Code		ECTS credits		6
Semester	II							
Teaching weeks		15		Hours teaching	75	Lectures		Exercises
						3		2
Teaching Methodology		Lectures, exercices, seminar papers, consultations, etc.						
Consultations		1 hr / week						
Professor		Prof. Asoc. Emruš Azizović	E-mail:		azizovic.emrus@gmail.com			
			Tel.:		044 337 652			
Assistant			E-mail:					
			Tel.:					

Study goal and table of content	Benefits of student
Teaching the subject of IT in primary education should enable students to master the basic concepts of electronic computers and their application in business and life in general, developing and deepening knowledge about information and communication technology and its importance in the service of man, creating habits and skills during theoretical and practical work , ability to seek information. Special attention should be paid to the practice of using equipment, procedures and computer techniques in order to solve problems in a creative way in various situations of everyday life. Application of modern web 2.0 technologies in education	Knowledge: - importance of informatics for modern society - basic terminology in the field of Informatics - practical skills in using software tools - The Influence of IT on Contemporary Education Skills: • students' ability to use word processing programs, tabulation, presentation creation and internet search. • Create educational content in web 2.0 tools • Solving concrete problems from practice

Methodology for the implementation of educational topics:
• Presentation of a teaching topic in Power Point (the student can download the presentation after each lecture from the Web site www.aemdl.com/informatics)   • A student case or task (during exercise) is associated with a lecture topic   • Recovery of the foreground from a particular group of students, analysis and discussion   • Educational portal www.aemdl.com, forums, conceptual folders, wiki, google documents, blogs, glogs ...
Conditions for realization of educational topics:
Adequate literature, tables, computers, projectors, Arduino boards and other IT tools for learning and exercises.

Ways of assessing of the student (in %) :	Evaluation in%	Final grade
• Regularity in lectures 0-5% • Activity 0-5% • Seminar paper 0-10%	91-100	10 (ten)
	81-90	9 (nine)

• Test I 0-10%	71-80	8 (eight)	
• Test II 0-10%	61-70	7 (seven)	
• Final exam 0-50%	51-60	6 (six)	
• Participation in exercises 0 - 5%	0-50	5 (five)	
• Group work on tasks and case studies 0- 5%			
Total **100.00 %**			

Obligations of student:

Lectures	Exercises
The student should be regular in lectures and especially in exercises, make use of all learning opportunities, use compulsory and broader literature, be active and respect the rules on high school ethics in courtesy and cooperation.	The student should be active in the exercises and reflect the readiness and knowledge of initiatives, ideas and demonstrations of the knowledge acquired in the lectures.

Activities	Hour/ weeks	Days/Weeks	Total
Lectures	3	15	45
Laboratory exercises	2	15	30
Contacts with teachers / consultations	1	5	5
Practical work	1	2	2
Projects, presentations, etc.	1	2	2
Own study time	3	15	45
Preparation for final exam	5	6	30
Time spent in the assessment (tests, final exam, etc.)	2	3	6
Notice: 1 ECTS credits= 25 hour commitment, e.g. if the subject has 6 ECTS credits student must have 150 hours during the semester commitment.	**Total load:**	**165**	

Week	Lectures	Hour	Exercises	
	Topic		Topic	

1	• **Presentation of the syllabus**
	  • Introduction
	  • Plan and program.
	  • COMPUTER AND INFORMATICS:
	  • The subject of computer science studies.
	  • The notion of information and data.
		2	• GRAPHIC OPERATIONAL ENVIRONMENT: **Windows - concepts.**	2

2	• **The notion and importance of informatics**.
	  • Historical development.
	  • Generations of computers
		2	• GRAPHIC OPERATIONAL ENVIRONMENT: **Windows - concepts.**	2

3	• **Definition of informatics.**
	  • Presentation of data. T
	  • he importance of informatics in contemporary society.
	  • Application of informatics.
	  • Perspectives of informatics
		2	• GRAPHIC OPERATIONAL ENVIRONMENT: **Windows - concepts.**	2

4	• **Word processor Word - basic level**	2	• **Word processor Word - basic level**	2
5	• MATHEMATICAL BASIS OF COMPUTER WORKS • Characteristics of numerous systems.	2	• **Introduction to E-learning. Educational portals**	2

	• Binary number system. • Octal number system. • Hexadecimal number system. Converting a decimal number into a binary number. • Basic units of data presentation.			
6	• **Functional computer model** • processor, • main memory, • motherboard). • Input and output devices • Data storage devices	2	• **Word processor Word - basic level**	2
7	**Test 1**		• **Word processor Word - basic level**	2
8	• **Computer Software** • Operating Systems. • System Software • Application Programs. • Viruses. • Program as a product.	2	• **Collaborative work (wiki document, Google document, Blog, Conceptual folders, forums, ...)**	2
9	• **Impact of IT on Education.** • Internet and intranet • Educational Technologies	2	• **Collaborative work (quizzes, interactive posters, hawk, slippers ...)**	2
10	• **E-learning,** • application, • advantages and disadvantages • **Excel worksheets - basic level**	2	• **Worksheets - Excel**	2
11	• **Multimedia** • basic terms, • types and formats m. d. • **Web 2.0 technology in education**	2	• **Worksheets - Excel**	2
12	• **Presentations - basic level.** • **Educational applications**	2	• **Internet services. Multimedia. Presentation Tools - Power Point, Prezi**	2
13	• **The importance of computer communications** • Computer networks • Topology, • Data Exchange.	2	• **Web 2.0 technology** • **Web 2.0 tools for education**	2
14	• **Technological trends and modern education.** • Intelligent classroom - 21st century classroom • **Health, ergonomics, safety and environment**	2	• **Infographics, blog, padlet**	
15	**Test 2**	2	• **Conceptual maps, blog, LMS**	

LITERATURE:

Main Literature:

1. Sotirović, V. , Egić B: Informatika , INED co d.o.o Novi Sad, 2006.
2. Azizovic, E. Osnovna racunarska pismenost,Utilis, Prizren, 2016
3. Azizovic, E. Praktikum iz Informatike- Autorski reprint, Prizren, 2012
4. Educational portal www.aemdl.com, Introduction to informatics, materials in .doc, .ppt, .pdf formats

Additional literature:

1. Mr Milorad Marković, ECDL 5.0 Modul 1: Osnove informacionih i komunikacionih tehnologija: Udžbenik za pripremu ECDL ispita, Mikro knjiga, Beograd, 2010.
2. Mr Milorad Marković, ECDL 5.0 Modul 3: Obrada teksta, Microsoft Office Word 2007: Udžbenik za pripremu ECDL ispita, Mikro knjiga, Beograd, 2010.

NOTICE:

In general, lecture presentations will be made through the PowerPoint system, the table, the use of materials and software and the Internet.
• Also additional resources (scientific papers, publications, national bulletins, and recent discoveries and research) will be provided by the professor.
• In the absence of the opportunity for practical work to be organized weekly, in cooperation with the University's management, this activity will be organized on certain days in: organizations, companies, ltd, farms, manufacturing units.
• During each session, dialogue and co-participation will be organized with the students.

Notice for the student:

Students are required to be regular in the lectures and exercises section.
☐ The contribution of students in the form of conversation and cooperation with students will be evaluated.
☐ Timely arrival in lectures and exercises is mandatory.