

## UNIVERSITETI "KADRI ZEKA" UNIVERSITY

Zija Shemsiu, 60000, Gjilan, Kosovë www.uni-gjilan.net tel: 0280-390-112

## SYLLABUS Course: Algebra 2

Academic unit:FASCourse Title:Algebra 2Level:BachelorProgram:Mathematic EducationCourse status:ObligatoryAcademic year:2019/2020Year of study:Year II, Semester IIINumber of hours per week:3+2Credits - ECTS:7 ECTSTimer / Location:Prof. Ass. Dr.Contact details:Prof. Ass. Dr.Course description:The content of Algebra 2 includes: Determinantes and Matrices; Systems of				
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Course description: The content of <i>Algebra 2</i> includes: Determinantes and Matrices; Systems of				
linear equations; Vector space; Linear functions; compositions and Inverse				
of functions; Scalar product;				
Objectives of the course: Algebra 2 aims at integrating professional training in the field of				
mathematics education of bachelor studies. The course objectives are for the				
student to start with basic knowledge in the field of Linear Algebra. Another				
challenge is to develop students' abilities and skills to succeed in solving				
Algebra implementation is required				
Expected learning     After successful completion of the course Alachya 2, students will be able to:				
After successful completion of the dofinition of the dotorminants and matrix				
• Recognize and understand the definition of the determinants and matrix implement this knowledge by solving various problems				
Decognize and understand the concent of vector space				
<ul> <li>Recognize and understand linear functions and their preparties</li> </ul>				
Kecognize and understand intear functions and their properties.				
Activity Hours Day / Week Total				
Lectures 3 15 45				
Theoretical exercises / laboratory   2   15   30				
Contacts with teacher / consultations11515				
Collocfiums, seminars 3 2 6				
Homework 1 15 15				

Self-learning time student (at the library or at		1	15	15
home)		2	1 5	20
Projects comingre presentations ata		2	15	0
Total		5	1	9
				105
105:25≈7 ECIS.				
reaching methodology and assessment methods				
Teaching methodology:	Regular lessons, lectures, consultations, discussions, individual independent			
Methods of assessment:	The exam consists of a written part and the oral part			
Wethous of assessment.	The assessment is based on the following activities:			
	Participation and engag	gement in hour	rs (10%)	
	(Koll.) Test 1-40% (write	ten examinatio	on)	
	(Koll.) Test 2-40% (written examination)			
	Seminar papers (individual independent work) - 10%			
	Final exam:	ot need bollob	fium at)	
	Points Score	lot pass konok	numet).	
	91-100 10			
	81-90 9			
	71-80 8			
	61-70 7			
	51-60 6			
Literature				
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Dase interature:	• Ligjerata te autori	zuara nga pro	ofesori, Gjilan. 201	9.
Dase interature:	<ul> <li>Ligjerata te autori:</li> <li>Tanush Shaska, Li</li> </ul>	zuara nga pro 1bjana Beshaj	fesori, Gjilan. 201 : Algjebra,ISBN:	9. 978-1-60985-003-6
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XI-week	Properties of linear functions.	
XII-week	Composition of functions and inverse of functions	
XIII-week	Scalar production in vector space	
XIV-week	Orthogonality in vector space	
XV-week	The second colloquium	
Academic policies and rules of etiquette:		
Regular attendance of students assessed with 10 points,		

- Students are free to ask questions and active participation in all teaching activity.

- They are not allowed cell phones, late arrival or departure from the class without reason.

- Plagiarism and copying in exams are penalized under the statute and other regulations of the university.

- The Code of conduct applies to both students and teachers.