



UNIVERSITETI “KADRI ZEKA” UNIVERSITY

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SYLLABUS

Course: Seminar of number theory

Basic information of the course			
Academic unit:	FAS		
Course Title:	Seminar of number theory		
Level:	Bachelor		
Program:	Mathematic Education		
Course status:	Elective		
Academic year:	2019/2020		
Year of study:	Year III, Semester V		
Number of hours per week:	2+0		
Credits – ECTS:	5 ECTS		
Timer / Location:			
Professor of subject:	Prof. Ass. Dr.		
Contact details:			
Description, Objectives and expected results			
Course description:	Contents of the course include: depends what kind of topic chosen student.		
Objectives of the course:	<ul style="list-style-type: none"> • Student faces the experience of individual access to number theory material. • Student prepares a longer presentation of a given topic. At this presentation he uses contemporary technical tools as a computer software etc. • The student gets familiar with the basic roles of writing mathematical texts. 		
Expected learning outcomes:	After successful completion of the course seminar of number theory, students will be able to: <ul style="list-style-type: none"> • Discovering new results in number theory. • Getting familiar with the individual approach to math materials. • Introduction to number theory topics in seminar. • Knowledge about the role of writing mathematical texts. 		
Student contribution			
Activity	Hours	Day / Week	Total
Lectures	1	15	15
Theoretical exercises / laboratory	-	-	-
Contacts with teacher / consultations	1	15	15
Collocfiums, seminars	-	--	-

Homework	2	15	30										
Self-learning time student (at the library or at home)	2	15	30										
Final preparation for the exam	2	15	30										
Projects, seminars, presentations, etc.	1	1	1										
Total			121										
121:25≈5 ECTS.													
Teaching methodology and assessment methods													
Teaching methodology:	Regular lessons, lectures, consultations, discussions, individual independent work, term papers (homework), presentations.												
Methods of assessment:	<p>The exam consists of a written part and the oral part. The assessment is based on the following activities: Participation and engagement in hours Seminar papers. Presentation. Final exam: Points Score</p> <table> <tr> <td>91-100</td> <td>10</td> </tr> <tr> <td>81-90</td> <td>9</td> </tr> <tr> <td>71-80</td> <td>8</td> </tr> <tr> <td>61-70</td> <td>7</td> </tr> <tr> <td>51-60</td> <td>6</td> </tr> </table>			91-100	10	81-90	9	71-80	8	61-70	7	51-60	6
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71-80	8												
61-70	7												
51-60	6												
Literature													
Base literature:	Depends of topic.												
Designed teaching plan:													
Week	The lecture to be held												
Descreption for topic of seminar:	<ul style="list-style-type: none"> • Seminar presentation is a good exercise in presenting number theory topics to the audience. This is an important skill for mathematicians, basically oriented in work, where contact with users is essential. • Knowledge about the role of writing mathematical texts is a basis for extended activities of this kind on higher levels of education, as well as a basis for possible publication efforts later. • Understanding the difference between a literate translation of the mathematical text and the two phase procedure, in which the first phase brings deep understanding and the second phase means the presentation of this individual understanding in a way that is partly independent of the original text. This understanding is critial for quality teaching work on a basis of written materials. 												
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. - The Code of conduct applies to both students and teachers.													