

Program		Type of studies (cycle)	Third cycle		
		Name of the program	SEE Doctoral Studies in Mathematical Sciences		
<b>Course</b>					
Course title		Statistical Convergence			
Course code	Semester	Course status	ECTS credits	Contact hours	
	I		10	30	
Teaching staff	Teacher	Doc. Dr. Fikret Ćunjalo			
	Other staff				
Course goals	The course should provide a general investigation of statistical convergence of sequences, its characterization and relations to other summability methods.				
<b>Course content/topics</b>					
<ul style="list-style-type: none"> <li>• Definition and properties of statistical convergence</li> <li>• Relations between statistical convergence and other summability methods</li> <li>• Characterization of statistical convergence</li> <li>• Summability of sequences and infinite matrices</li> <li>• Statistical A-convergence</li> <li>• Statistical strong convergence</li> <li>• Lacunary statistical convergence</li> <li>• Almost convergence of sequences</li> </ul>					
<b>LITERATURE</b>		<b>Grading</b>			
1. Anindita Basu, <b>Statistical and lacunary statistical convergence of sequences</b> , LAP Lambert Academic Publishing, 2011. 2. Hardy, G.H. <b>Divergent series</b> , 1949.			Criterion	Points	Cut-off points
		1.	Homework assignment	20	12
		2.	Project	50	26
		3.	Final exam	30	17
		Total			100
<b>Additional literature:</b>  George A. Anastassiou, Oktay Duman, <b>Statistical Approximation Theory</b>					