Program	Type of studies (cycle)	Third cycle
	Name of the program	Doctoral Studies in Mathematical and Computer Science

Course

Course title	**Statistical Convergence**			
Course code	Semester	Course status	ECTS credits	Contact hours
PMAT 670	II	Elective	10	30

Aims and intended learning outcomes	The course introduces statistical convergence of sequences, its characterization, and its connections with other summability methods.

Course content/topics

- Definition and properties of statistical convergence
- Connections between statistical convergence and other summability methods
- Characterization of statistical convergence
- Summability of sequences by infinite matrices
- Statistical A-convergence
- Strong statistical convergence
- Lacunary statistical convergence
- Almost convergence of sequences

LITERATURE

[1] Anindita Basu, Statistical and Lacunary Statistical Convergence of Sequences, LAP Lambert Academic Publishing, 2011.

[2] G. H. Hardy, Divergent Series, 1949.

[3] George A. Anastassiou and Oktay Duman, Statistical Approximation.

Grading

	Criterion	Points	Cut-off points
1.	Homework		
2.	Project		
3	Final exam		
	Total	100	55