Program	Type of studies (cycle)	Third cycle
	Name of the program	Science and mathematics education

Course

Course title	**Statistical convergence**

Course code	Semester	Course status	ECTS credits	Contact hours
PMAT630	II	Optional	10	30

Teaching staff	Teacher	
	Other staff	
Course goals	The aim of the course is to introduce students to the concept of statistical convergence of sequences, its characterization and links to other methods of summability.	

Course content/topics

- Definition and properties of statistical convergence
- Relations between statistical convergence and other summability methods
- Characterization of statistical convergence
- Summability of sequences and infinite matrices
- Statistical A-convergence
- Statistical strong 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] Hardy,G.H. Divergent series, 1949.

[3] George A. Anastassiou, Oktay Duman, Towards Intelligent Modeling: Statistical Approximation Theory, Springer, 2011.

Grading

	Criterion	Points	Cut-off points
1.	Written assignment	25	13
2.	Project	25	12
3	Final exam	50	30
	Total	100	55