Program	Level	Third	Third cycle			
Piogram	Name of the pa	SEE	SEE Doctoral Studies in Mathematical Science			
COURSE						
Course title	Integral operators					
Course code	Semester Course statu		tatus		ECTS	Contact hours
PMAT 635	Ι	Elective course			10	30
Lecturer						
Course Goals	The primary aim of this course is to familiarize students with concepts and methods that are central to the area of integral operators.					
COURSE CONTENT						
 Introduction to integral operators: definition and properties of integral operators Integral operator kernels Boundedness Compactness Carleman kernels Symmetric kernels Unitary equivalence Examples of integral operators IITERATURE [1] P.R. Halmos, V.S. Sunder: Bounded Integral Operators on <i>L</i> 2 Spaces, Springer-Verlag, 1978. [2] E.M. Stein: Singular Integrals and Differentiability Properties of Functions, Princeton University Press, Princeton, New Jersey, USA, 1970.						
GRADING					R	EMARKS
Criterion	Maxim points		Minimum points			
Homework	60	3	35			
Project	40	2	20			
Total	100	5	55			