Program			Type of studies (cy	vcle)	Third c	Third cycle			
			Name of the program			SEE Doctoral Studies in Mathematical Science			
			Сот	ırse	se				
Course title Analysis on manifolds									
Course code Semester		Semester	Course status			ECTS c			
	PMAT 675		Optional			10	0 30		
Teaching	Teache								
staff	Other staff								
Course goals	Minimal goals are to bring a student a basic knowledge on developing a calculus on manifol Desirable: An independent derivation of differential calculus on manifolds								manifolds
Course content/topics									
 Differential calculus on manifolds Bundle theory Bundle resolvents Differential geometry Riemannian geometry Generalized functions on manifolds 									
LITERATURE					Grading				
[1] F. Varner, Foundation of Differential Manifolds					Criterion		Points		Cut-off points
		erlag, New York-	1.	Written assig	gnment				
Berlin, 1983. 272 pp				2.	Project			40	22
[2] Aubin, T.,A course in differential geometry.					Final exam			60	33
Graduate Studies in Mathematics,27. American Mathematical Society, Providence,RI, 2001. 184					Total			100	55
 pp [3] Grosser, M., Kunzinger, M., Oberguggenberger, M., Steinbauer, R., Geometric theory of generalized functions with applications to general relativity. Mathematics and its Applications, 537. Kluwer Academic Publishers, Dordrecht, 2001. 505 pp 									