

DOCUMENTATIONAL APPROACH IN MATHEMATICS EDUCATION

1	Course Title:	DOCUMENTATIONAL APPROACH IN MATHEMATICS EDUCATION	
2	Course Code:	MAT6122	
3	Type of Course:	Optional	
4	Level of Course:	Third Cycle	
5	Year of Study:	1	
6	Semester:	2	
7	ECTS Credits Allocated:	4.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	None	
12	Language:	English	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:		
15	Course Lecturers:	Doç. Dr. MENEKŞE SEDEN TAPAN BROUTIN	
16	Contact information of the Course Coordinator:	Doç.Dr. Menekşe Seden TAPAN BROUTIN tapan@uludag.edu.tr 0 224 2955021 Uludağ Üniversitesi Eğitim Fakültesi, A Blok, Matematik ve Fen Bilimleri Eğitimi Bölümü, 16059 Nilüfer,Bursa	
17	Website:		
18	Objective of the Course:	Analysing in an academic dimension, the researches using instrumental and documentational theory	
19	Contribution of the Course to Professional Development:	The student is able to analyze researches using instrumental and documentary theory in academic dimensions.	
20	Learning Outcomes:		
		1	Can scan literature about instrumental theory and detect lacks in the field.
		2	Can scan literature about documentational theory and detect lacks in the field.
		3	Can design and present research proposals related to instrumental and documentational theory
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21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1			
2			
3			

22	Textbooks, References and/or Other Materials:	<p>Trouche L. (2005) An Instrumental Approach to Mathematics Learning in Symbolic Calculator Environments. In: Guin D., Ruthven K., Trouche L. (eds) The Didactical Challenge of Symbolic Calculators. Mathematics Education Library, vol 36. Springer, Boston, MA</p> <p>Trouche, L., Gueudet, G., & Pepin, B. The Documentational approach to didactics. In: S. Lerman (Ed.), Encyclopedia of Mathematics Education. Online first, N.Y.: Springer.</p>

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	4	2	4	1	4	2	5	5	0	0	0	0	0	0	0	0
ÖK2	3	2	1	1	3	1	2	2	0	0	0	0	0	0	1	1
ÖK3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																

Contribution Level:	1 very low	2 low	3 Medium	4 High	5 Very High
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