QUALIFICATION OF NATURAL AND FUNDAMENTAL SCİENCE		PROGRAMME QUTCOMES (PQ)													
		PÇ1	PÇ2	PÇ3	PÇ4	PÇ5	PÇ6	PÇ7	PÇ8	PÇ9	PÇ10	PÇ11	PÇ12	PÇ13	PÇ14
Knowledge	BLG 1	■	■			■				■		■	■	■	
	BLG 2	■	■					■	■	■				■	
Skills	BCR 1	■	■	■		■							■	■	
	BCR 2	■	■			■		■					■	■	
	BCR 3	■	■							■					
	BCR 4	■										■	■		
Competence (Autonomy and Responsibility Competence)	BÇSAY 1	■	■			■		■				■		■	
	BÇSAY 2	■	■									■	■	■	
	BÇSAY 3					■						■			■
Competence Learning to Learn Competence)	ÖY 1	■	■											■	
Competence (Communication and Social Competence)	İSY 1														■
	İSY 2	■	■	■									■		
	İSY 3			■									■	■	
	İSY 4		■								■				
	İSY 5	■	■				■					■	■		
Competence Occupational and/or Vocational Competence)	AÖY 1		■		■										■
	AÖY 2					■									
	AÖY 3			■		■									■

FIELDS OF QUALIFICATIONS IN NQF-HETR
44 – PHYSICAL SCIENCE 8th cycle (Doctorate) – Academic Weighted

NQF-HETR LEVEL	KNOWLEDGE (KNW) -Theoretical -Conceptual	SKILLS (SKL) Cognitive Practical	PERSONAL & OCCUPATIONAL COMPETENCES			
			Autonomy & Responsibility Competence (ACR)	Learning to Learn Competence (LLC)	Communication and Social Competence (CSC)	Occupational and/or Vocational Competence (OVC)
8 **DOCTORATE** ____ **EQF-LLL:** 8. Level _____ **QF-EHEA:** Third Cycle	**KNW 1-** The student improves and deepens actual and advanced field knowledge to expertise level by means of original thoughts and/or research and reaches original definitions that will provide renewal to the field. **KNW 2-** The student comprehends the	**SKL 1-** The student evaluates, uses and transfers the newly knowledge in his field in a systematic approach. **SKL 2-** The student develops a new idea, method, design and/or application that will provide renewal to the field or applying an existing idea, method, design and/or application to another field; researches, comprehends,	**ACR 1-** The student contributes to advancement by independently realizing an original study that will develop a new idea, method, design and/or application providing renewal to the field or that will apply an existing idea, method, design and/or application to another field. **ACR 2-** The student expands the borders of field knowledge by publishing at	**LLC 1-** The student develops new ideas and methods in the field using top level intellectual processes such as creative and critical thinking, problem solving and decision making.	**CSC 1-** The student critically analyzes and develops social relations and norms, directs those relations and leading actions to change them if necessary. **CSC 2-** The student defends original ideas in the discussions on field-related subjects with experts and establishes an effective communication that reflects the competency in the field. **CSC 3-** The student communicates and discusses at advanced level orally and in a	**OVC 1-** The student contributes to the society's process of becoming and maintaining the state of being a society of information by presenting the scientific, technological, social or cultural advancements in the field. **OVC 2-** The student establishes functional interaction using strategic decision making processes for the solution of

	interdisciplinary interaction related to the field; reaches original results by using expertise level knowledge in analyzing, synthesizing and evaluating new and complicated opinions.	designs, adapts and applies an original subject. **SKL 3-** The student critically analyzes, synthesizes and evaluates new and complicated opinions. **SKL 4-** The student acquires top level skills to use research methods for the studies in the field	least one article in national or international peer-reviewed journals and/or by producing or commenting on original work. **ACR 3-** The student assumes leadership in circumstances that require the solution of original and interdisciplinary problems.		written and visual way by speaking a foreign language at least on European Language Portfolio C1 general level. **CSC 4-** The student uses computer software required by the field effectively in research to solve problems by keeping track of the developments in informatics and communication technologies. **CSC 5-** The student carries out scientific research in national and international scientific research groups.	field-related problems. **OVC 3-** The student contributes to the solution of social, scientific, cultural and ethical problems in the field and supporting the development of these values.