FIELDS OF QUALIFICATIONS IN NQF-HETR: NATURAL SCIENCES		PROGRAMME OUTCOMES (POs)								
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
Knowledge	KNW 1	■	■							
	KNW 2		■							
Skills	SKL 1			■						
	SKL 2				■	■	■			
	SKL 3				■					
	SKL 4					■				
Competence (Autonomy and Responsibility Competence)	ARC 1						■			
	ARC 2								■	
	ARC 3							■	■	
Competence (Learning to Learn Competence)	LLC 1	■	■							
Competence (Communication and Social Competence)	CSC 1							■	■	
	CSC 2							■		
	CSC 3					■				
	CSC 4					■				
	CSC 5								■	
Competence (Occupational and/or Vocational Competence)	OVC 1								■	
	OVC 2							■		■
	OVC 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	**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,	**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	**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	**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 interdisciplinary interaction related to the field; reaches original results by using expertise level knowledge in analyzing, synthesizing and evaluating new and complicated opinions.	comprehends, 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	by publishing at 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.		advanced level orally and in a 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.	the solution of 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.