FIELDS OF QUALIFICATINS IN MATHEMATICS AND STATISTICS		PROGRAMME OUTPUS (PO)												
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13
Knowledge	KNW 1					■			■			■	■	
	KNW 2	■	■		■		■				■		■	
Skill	SKL 1		■	■	■									
	SKL 2						■	■	■		■		■	
	SKL 3		■	■	■									
	SKL 4					■			■			■		
Personal & Occupational Competences (Autonomy & Responsibility Competence)	ACR 1							■		■	■			
	ACR 2		■								■	■	■	
	ACR 3						■							
Personal & Occupational Competences (Learning to Learn Competence)	LLC 1		■	■				■			■			
Personal & Occupational Competences (Communication and Social Competence)	CSC 1						■	■						■
	CSC 2									■		■		
	CSC 3					■			■	■			■	
	CSC 4					■			■	■				
	CSC 5						■							
Personal & Occupational Competences (Occupational and/or Vocational Competence)	OVC 1								■				■	■
	OVC 2						■			■				■
	OVC 3										■	■		■

FIELDS OF QUALIFICATIONS IN NQF-HETR 46 – MATHEMATICS and ISTATISTICS 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.	**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	**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	**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 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.

	KNW 2- The student comprehends the interdisciplinary interaction related to the field; reaches original results by using expertise level knowledge in analyzing, synthesizing and evaluating new and complicated opinions.	another field; researches, 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	student expands the borders of field knowledge 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.		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.	