FIELDS OF		PROGRAMME OUTCOMES (POs)														
QUALIFICATION HETR: ENGI	QUALIFICATIONS IN NQF- HETR: ENGINEERING		PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15
Knowledge	KNW 1															
	KNW 2															
	KNW 3															
	KNW 4															
Skills	SKL 1															
	SKL 2															
	SKL 3															
	SKL 4															
	ARC 1															
Competence	ARC 2															
(Autonomy and Responsibility	ARC 3															
Competence)	ARC 4															
	ARC 5															
	ARC 6															
Competence (Learning to	LLC 1															
	LLC 2															
Learn Competence)	LLC 3															
	LLC 4															
Competence	CSC 1															

(Communication and Social Competence)	CSC 2								
	CSC 3								
	CSC 4								
	CSC 5								
	CSC 6								
	CSC 7								
	CSC 8								
Competence (Occupational and/or Vocational Competence)	OVC 1								
	OVC 2								
	OVC 3								
	OVC 4								

Master's Degree Qualifications for <u>Engineering</u> (Academically-oriented) 7th Level (MASTER'S DEGREE)

NQF-HETR LEVEL			PERSONAL & OCCUPATIONAL COMPETENCES							
	-Theoretical -Conceptual	SKILLS (SKL) -Cognitive -Practical	Autonomy & Responsibility Competence (ACR)	Learning to Learn Competence (LLC)	Communication and Social Competence (CSC)	Occupational and/or Vocational Competence (OVC)				
	Qualifications that signify completion of the seventh cycle are awarded to students who									
	KNW 1- have access to	SKL 1- complete and	ACR 1- assume the	LLC 1- are aware of	CSC 1- establish oral	OVC 1- comply with				
	advanced knowledge in	apply knowledge based	leadership role in multi-	new and developing	and written	social, scientific and				
	the field of engineering	on limited or deficient	disciplinary teams;	applications in the	communication in a	ethical values in the				
	through scientific	data through scientific	produce solutions in	profession; examine	foreign language at	process of collecting,				
	research; evaluate,	methods; integrate	complicated situations	and learn these	minimum B2 level, as	interpreting and				
7 th CYCLE	interpret and apply	knowledge from	and take responsibility.	applications, when	defined by the	reporting data, and in				
MASTER'S	knowledge.	different disciplines.		required.	European Language	all professional				
			ACR 2- have access to		Portfolio.	activities.				
EQF-LLL:	KNW 2- have extensive	SKL 2- define	advanced knowledge in	LLC 2- complete and						
7 th CYCLE	knowledge on recent	problems related with	the field of engineering	apply knowledge based	CSC 2- report	OVC 2- complete and				
	techniques and methods	engineering; and	through scientific	on limited or deficient	systematically and	apply knowledge based				
QF-EHEA:	used in engineering, and	develop methods for	research; evaluate,	data through scientific	clearly in written or	on limited or deficient				
2 nd CYCLE	the constraints of these	their solution, and use	interpret and apply	methods; integrate	oral form the processes	data through scientific				
	techniques and methods.	innovative methods in	knowledge.	knowledge from	and results of their	methods; integrate				
		problem solving.		different disciplines.	research/work in	knowledge from				
	KNW 3- complete and		ACR 3- complete and		national and	different disciplines.				
	apply knowledge based	SKL 3- generate new	apply knowledge based	LLC 3- define	international settings.					
	on limited or deficient	and/or original ideas	on limited or deficient	problems related with		OVC 3- assume the				
	data through scientific	and methods; and	data through scientific	engineering; and	CSC 3- describe social	leadership role in multi-				
	methods; integrate	develop innovative	methods; integrate	develop methods for	and environmental	disciplinary teams;				
	knowledge from	solutions in system,	knowledge from	their solution, and use	aspects of engineering	produce solutions in				
	different disciplines.	component or process	different disciplines.	innovative methods in	applications.	complicated situations				
		designs.		problem solving.		and take responsibility.				
	KNW 4- are aware of		ACR 4- define		CSC 4- have access to					
	new and developing	SKL 4- design and	problems related with	LLC 4- generate new	advanced knowledge in	OVC 4- report				
	applications in the	conduct analytical,	engineering; and	and/or original ideas	the field of engineering	systematically and				
	profession; examine and	modeling and	develop methods for	and methods; and	through scientific	clearly in written or oral				
	learn these applications,	experiment-based	their solution, and use	develop innovative	research; evaluate,	form the processes and				
	when required.	research; solve and	innovative methods in	solutions in system,	interpret and apply	results of their				
		interpret complex	problem solving.	component or process	knowledge.	research/work in				
		problems encountered	4 GD #	designs.	and *	national and				
		in this process.	ACR 5- generate new		CSC 5- complete and	international settings.				
			and/or original ideas		apply knowledge based					
			and methods; and		on limited or deficient					
			develop innovative		data through scientific					

	solutions in system,	methods; integrate	
	•		
	component or process	knowledge from	
	designs.	different disciplines.	
	ACR 6- design and	CSC 6- define	
	conduct analytical,	problems related with	
	modeling and	engineering; and	
	experiment-based	develop methods for	
	research; solve and	their solution, and use	
	interpret complex	innovative methods in	
	problems encountered	problem solving.	
	in this process		
		CSC 7- have extensive	
		knowledge on recent	
		techniques and methods	
		used in engineering,	
		and the restrictions of	
		these techniques and	
		methods.	
		metriods.	
		CCC 9 design and	
		CSC 8- design and	
		conduct analytical,	
		modeling and	
		experiment-based	
		research; solve and	
		interpret complex	
		problems encountered	
		in this process.	