	PhD in PHYSCS PROGRAM OUTCOMES												ſ	NATIO	NAL C	QUALII	ICATIO	ONS OF	RELA	TED FI	ELD*											
									ENGIN															NATU					E4 E5 F1 F2 F3			
-			A2	B1	B2	B3	B4	B5 C	1 C2	C3	D1	D2 I	D3 D	94 E:	1 E2	F1	F2	A1 A	2 B:	L B2	B3	B4	C1	C2	C3	D1	E1 E2	E3	E4	25 F	1 F2	F3
1	Develop and deepen the current and advanced knowledge in the field with original thought and/or research and come up with innovative definitions based on Master's degree qualifications	9	x		x			x			x	x		,	۲.			x														
2	Conceive the interdisciplinary interaction which the field is related with ; come up with original solutions by using knowledge requiring proficiency on analysis, synthesis and assessment of new and complex ideas.	3	x				x											2	¢										x	x		
3	Evaluate and use new information within the field in a systematic approach.		x	x			x												х	1												
4	Develop an innovative knowledge, method, design and/or practice or adapt an already known knowledge, method, design and/or practice to another field; research, conceive, design, adapt and implement an original subject.	0			x			x	x		x		x							x									x	x		
5	Critical analysis, synthesis and evaluation of new and complex ideas.									x				,	r.	x					x											
6	Gain advanced level skills in the use of research methods in the field of study.	x		x		x																x										
7	Contribute the progression in the field by producing an innovative idea, skill, design and/or practice or by adapting an already known idea, skill, design, and/or practice to a different field independently.	,			x			x	x				x										x									
8	Broaden the borders of the knowledge in the field by producing or interpreting an original work or publishing at least one scientific paper in the field in national and/or international refereed journals.	n						:	x				:	x										x								
9	Demonstrate leadership in contexts requiring innovative and interdisciplinary problem solving.				x			x	x		x		x												x							
10	Develop new ideas and methods in the field by using high level mental processes such as creative and critical thinking, problem solving and decision making.	H		x	x				x			x	x													x						
11	Investigate and improve social connections and their conducting norms and manage the actions to change them when necessary.									x					x		x										x					
12	Defend original views when exchanging ideas in the field with professionals and communicate effectively by showing competence in the field.	2													x	x	x										x					
13	Ability to communicate and discuss orally, in written and visually with peers by using a foreign language at least at a level of Europear Language Portfolio C1 General Level.	n													x		x											x				
14	Contribute to the transition of the community to an information society and its sustainability process by introducing scientific, technological, social or cultural improvements.									x						x														1	x	
15	Demonstrate functional interaction by using strategic decision making processes in solving problems encountered in the field.		x							x						x															x	
16	Contribute to the solution finding process regarding social, scientific, cultural and ethical problems in the field and support the development of these values.	2								x						x																x

* Please check http://tyyc.yok.gov.tr/ for the list of national qualifications.

A: KNOWLEDGE, Theoretical & Factual

B: SKILL, Cognitive & Applied

C: COMPETENCY, Working Independently & Taking Responsibility

D: COMPETENCY, Ability to Learn

E: COMPETENCY, Communication & Social Competencies

F: COMPETENCY, Field Specific