

THE RELATIONSHIP AMONG “PROGRAM COMPETENCIES”, “BASIC FIELD QUALIFICATIONS” AND “THE QUALIFICATIONS FRAMEWORK FOR HIGHER EDUCATION IN TURKEY”

BASIC FIELD QUALIFICATIONS (Mathematics and Statistics)		PROGRAM COMPETENCIES														THE QUALIFICATIONS FRAMEWORK FOR HIGHER EDUCATION IN TURKEY			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14				
KNOWLEDGE	1. Improving, deepening, statistically analyzing and commenting on the knowledge in the same or a different field to expertise level based on undergraduate qualifications.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	<ul style="list-style-type: none"> Develop and deepen knowledge in the same or in a different field to the proficiency level based on Bachelor level qualifications. Conceive the interdisciplinary interaction which the field is related with. 	KNOWLEDGE
	2. Diagnosing interdisciplinary interaction related to the field.	X			X	X	X					X	X			X			
SKILLS	1. Using theoretical and practical knowledge at expertise level in the field.		X	X	X			X	X			X	X	X	X		<ul style="list-style-type: none"> Use of theoretical and practical knowledge within the field at a proficiency level. Interpret the knowledge about the field by integrating the information gathered from different disciplines and formulate new knowledge. 	SKILLS	
	2. Commenting on the knowledge by integrating with those acquired from different discipline areas and creating new ones.		X			X		X			X								
	3. Solving the problems in the field using research methods.							X		X									
COMPETENCIES	Competence of Working Independently and Taking Responsibility	1. Running a study demanding expertise independently in the field.	X		X	X					X					<ul style="list-style-type: none"> Independently conduct studies that require proficiency in the field. Take responsibility and develop new strategic solutions as a team member in order to solve unexpected complex problems faced within the applications in the field. Demonstrate leadership in contexts that require solving problems related to the field. 	Competence of Working Independently and Taking Responsibility		
		2. Developing new strategic approaches and taking responsibility to solve unpredicted complicated problems occurring in field practices.		X	X	X				X	X								
		3. Leadership for the solution of problems in the field.		X			X			X									
	Learning Competency	1. Critically evaluating the expertise level knowledge and skills acquired in the field, and redirecting learning			X	X	X		X	X						1. Evaluate knowledge and skills acquired at proficiency level in the field with a critical approach and direct the learning.	Learning Competency		

THE RELATIONSHIP AMONG “PROGRAM COMPETENCIES”, “BASIC FIELD QUALIFICATIONS”AND “THE QUALIFICATIONS FRAMEWORK FOR HIGHER EDUCATION IN TURKEY” (Continued)

BASIC FIELD QUALIFICATIONS (Mathematics and Statistics)		PROGRAM COMPETENCIES														THE QUALIFICATIONS FRAMEWORK FOR HIGHER EDUCATION IN TURKEY		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14			
COMPETENCIES	Communication and Social Competence	1. Communicate current developments and studies within the field to both professional and non-professional groups systematically using written, oral and visual techniques by supporting with quantitative and qualitative data.		X		X					X			X		1. Communicate current developments and studies within the field to both professional and non-professional groups systematically using written, oral and visual techniques by supporting with quantitative and qualitative data.	Communication and Social Competence	
		2. Investigate, improve social connections and their conducting norms with a critical view and act to change them when necessary.			X	X						X						2. Investigate, improve social connections and their conducting norms with a critical view and act to change them when necessary.
		3. Communicate with peers by using a foreign language at least at a level of European Language Portfolio B2 General Level.		X		X							X	X				3. Communicate with peers by using a foreign language at least at a level of European Language Portfolio B2 General Level.
		4. Use advanced informatics and communication technology skills with software knowledge required by the field.				X	X							X		X		4. Use advanced informatics and communication technology skills with software knowledge required by the field.
	Field Specific Competence	1. Communicate current developments and studies within the field to both professional and non-professional groups systematically using written, oral and visual techniques by supporting with quantitative and qualitative data.	X	X								X				X	1. Audit the data gathering, interpretation, implementation and announcement stages by taking into consideration the cultural, scientific, and ethic values and teach these values.	Field Specific Competence
		2. Investigate, improve social connections and their conducting norms with a critical view and act to change them when necessary.				X	X				X						2. Develop strategy, policy and implementation plans on the issues related to the field and assess the findings within the frame of quality processes.	
		3. Communicate with peers by using a foreign language at least at a level of European Language Portfolio B2 General Level.		X	X			X						X	X	X	3. Use the knowledge, problem solving and/or implementation skills in interdisciplinary studies.	
		4. Evaluate events and review well known researchers from the point of effects to applications of the field.														X		

COMPETENCIES