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| --- | --- | --- | --- | --- | --- | --- |
| Skills | -Theoretical  - Applied | PROGRAM LEARNING OUTPUTS | | | QF-HETR | BFQ |
| By following scientific developments in the field of pharmacology, they can design, conduct, and conclude an original scientific research. | | | 1 | 1 |
| They can follow and use new information, computational and technological developments related to pharmacology education, practice and research. | | | 1 | 3 |
| They have the technical skills to perform basic manipulation and applications in experimental animals. | | | 1 | 3 |
| They record the information flow and activities in the field of professional activity accurately, clearly and safely. They fulfill their professional responsibilities within the framework of professional values, ethical principles and legal regulations without distinction between national or international institutions they work. | | | 1,2 | 1,2,4 |
| THE QUALIFICATIONS FRAMEWORK FOR HIGHER EDUCATION IN TURKEY  (QF-HETR) | | BASIC FIELD QUALIFICATIONS (BFQ) | | |
| 1. Based on master's qualifications, to be able to develop and deepen the current and advanced knowledge within the field by means of original thought and / or research and to reach original definitions which will bring innovation to the field.  2. To be able to understand the interdisciplinary interaction of the field; to reach original results by using knowledge that requires expertise in analysing, synthesizing and evaluating new and complex ideas. | | **1- Based on master's qualifications, develops and deepens the current and advanced knowledge within the field with original thought and / or research and reaches original definitions which bring innovation to the field.**  **2-** Understands the interdisciplinary interaction of the field; reaches original results by using knowledge that requires expertise in analysing, synthesizing and evaluating new and complex ideas.  **3-Possesses advanced knowledge about the technological tools including the computer and the devices and tools specific to the field at the level required by the health field.**  **4- Knows the importance of ethical principles and ethics committees for the individuals and society.**  **5-** **Possesses knowledge about the statistical methods which are used continuously in health field studies.** | | |
| -Conceptual  - Cognitive | PROGRAM LEARNING OUTPUTS | | | QF-HETR | BFQ |
| Follows and applies new knowledge and methods related to pharmacology education, practice and research. | | | 1,2 | 1,2 |
| Structures the findings as a scientific report at the end of the scientific work. | | | 3 | 3 |
| Interprets and writes the results of an original research that contributes to science, brings innovation and develops a new scientific method and publish it in prestigious national and / or international scientific journals. | | | 1 | 1,3 |
| Shares scientific information internationally and uses their personal and professional critical thinking skills. | | | 3 | 1 |
| THE QUALIFICATIONS FRAMEWORK FOR HIGHER EDUCATION IN TURKEY  (QF-HETR) | | BASIC FIELD QUALIFICATIONS (BFQ) | | |
| 1. To be able to evaluate and use new information in the field with a systematic approach.  2. To be able to develop a new idea, method, design and / or practice that brings innovation to the field or to apply a known idea, method, design and / or application to a different field, to research, understand, design, adapt and apply a unique subject.  3. To be able to make critical analysis, synthesis and evaluation of new and complex ideas.  4. Having high-level skills in using research methods in field studies. | | **1-** Evaluates and uses new information in the field with a systematic approach.  **2-**Develops a new idea, method, design and / or practice that brings innovation to the field or applies a known idea, method, design and / or application to a different field, researches, understands, designs, adapts and applies a unique subject.  **3-Writes the report of the research he / she has participated in and publishes in a scientific nationally / internationally journal, presents at scientific meetings.**  **4-**Makes critical analysis, synthesis and evaluation of new and complex ideas.  **5-**Has high-level skills in using research methods in field studies.  **6-Makes the necessary examinations and develops new creative solutions to the problems by using the technological tools including the computer and the devices and tools that are specific to the field.** | | |
| Competencies | Ability to work independently and take responsibility | PROGRAM LEARNING OUTPUTS | | | QF-HETR | BFQ |
| Analyses the data of experiments, evaluates them with a pharmacological aspect. | | |  | 2 |
| Makes a specific study that contributes to science and interprets the data obtained from experiments, evaluates them with a pharmacological aspect. | | | 1,2 | 1,2,3 |
| THE QUALIFICATIONS FRAMEWORK FOR HIGHER EDUCATION IN TURKEY  (QF-HETR) | BASIC FIELD QUALIFICATIONS (BFQ) | | | |
| 1. To be able to contribute to the advancement of the field by bringing innovation to the field, developing a new idea, method, design and / or practice, or by independently performing an original work that applies a known idea, method, design and / or practice to a different field.  2. To be able to broaden the boundaries of knowledge in the field by publishing at least one scientific article in national and / or international journals and / or by producing or interpreting a unique work.  3. To be able to lead in environments that require solving original and interdisciplinary problems. | **1-**Contributes to the advancement of the field by bringing innovation to the field, developing a new idea, method, design and / or practice, or by independently performing an original work that applies a known idea, method, design and / or practice to a different field.  **2-Makes statistical analysis at a level that can evaluate a scientific article.**  **3-**Broadens the boundaries of knowledge in the field by publishing at least one scientific article in national and / or international journals.  **4-**Leads in environments that require solving original and interdisciplinary problems. | | | |
| PROGRAM LEARNING OUTPUTS | | | QF-HETR | BFQ |
| Learning Competency | Develops new ideas and methods in the field by using scientific and critical thinking skills. | | | 1 | 1 |
| Promotes lifelong learning awareness, including advances in science and technology. | | |  | 2 |
| THE QUALIFICATIONS FRAMEWORK FOR HIGHER EDUCATION IN TURKEY  (QF-HETR) | BASIC FIELD QUALIFICATIONS (BFQ) | | | |
| 1. To be able to 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. | **1-**Develops new ideas and methods in the field by using high level mental processes such as creative and critical thinking, problem solving and decision making.  **2-Follows the evidence-based practices and conducts research that will generate evidence in their field of professional practice.**  **3-** **Applies advanced professional development and lifelong learning principles related to the field of health in studies that he/she carries out.** | | | |
|  | Communication and Social Competence | PROGRAM LEARNING OUTPUTS | | | QF-HETR | BFQ |
| Uses and develops information and communication technologies with the computer knowledge required by the profession. | | | 4 | 1 |
| Communicates verbally and in writing at least one foreign language. | | | 3 | 3 |
| THE QUALIFICATIONS FRAMEWORK FOR HIGHER EDUCATION IN TURKEY  (QF-HETR) | BASIC FIELD QUALIFICATIONS (BFQ) | | | |
| 1. To be able to critically review, develop social relations and the norms that guide those relationships and manage actions towards to change where necessary.  2. To be able to defend his/her opinions in discussions with experts and communicate effectively with competence in the field.  3. To be able to communicate and discuss in advanced writing, speaking level using a foreign language at least at European Language Portfolio C1 General Level.  4. To be able to use computer software and information and communication technologies at the level required by the field. | **1-**Critically reviews, develops social relations and the norms that guide those relationships and manages actions towards to change where necessary.  **2-** Defends his/her opinions in discussions with experts and communicates effectively with competence in the field.  **3-** Communicates and discusses in advanced writing, speaking level using a foreign language at least at European Language Portfolio C1 General Level. | | | |
| Area Specific Competency | PROGRAM LEARNING OUTPUTS | | | QF-HETR | BFQ |
| Evaluates the ethical suitability of a scientific research project, with taking role in ethics committees, reviews files, and writes report. | | | 3 | 3 |
| Provides training, counselling and supervision on biological drugs and health. | | | 1 | 1,6 |
| Compares and evaluates the results of drug treatments applied in the field of community health and with these comparisons he/she can make fair and rational consequences for the public interest. Brings new approaches and alternative solutions to the problems related to health and public with using his/her knowledge. | | | 1,2,3 | 1,2,3,6 |
| THE QUALIFICATIONS FRAMEWORK FOR HIGHER EDUCATION IN TURKEY  (QF-HETR) | BASIC FIELD QUALIFICATIONS (BFQ) | | | |
| 1. To be able to contribute to the process of being an information society and to be able to sustain it by introducing the scientific, technological, social or cultural advances in its field.  2. To be able to establish functional interaction by using strategic decision-making processes to solve problems related to the field.  3. To be able to contribute to the solution of the social, scientific, cultural and ethical problems encountered in the field and to support the development of these values. | **1-** Contributes to the process of being an information society and sustains it by introducing the scientific, technological, social or cultural advances in its field.  **2-**Establishs functional interaction by using strategic decision-making processes to solve problems related to the field.  **3-**Contributes to the solution of the social, scientific, cultural and ethical problems encountered in the field and supports the development of these values.  **4-** **Has the experience of working with other health disciplines.**  **5-Chooses the right statistical methods for his / her studies in the field and applies them properly. Makes analysing and synthesizing.**  **6-Uses current developments and information in the health field for the benefit of children, family, national values in accordance with country facts.** | | | |