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| --- | --- | --- | --- | --- | --- | --- |
| Skills | -Theoretical  -Applied | PROGRAM LEARNING OUTCOMES | | | TYYÇ | TAY |
| Content | | | number | number |
| Must have theoretical knowledge in Medical Biology subjects and must have the ability to conduct scientific studies that will bring innovation to the level of expertise by using theoretical and applied knowledge in these fields. | | | 7 | 721 |
| TURKEY HIGHER EDUCATION QUALIFICATIONS FRAMEWORK (THQF) | | MAIN AREAS OF COMPETENCE (MAC) | | |
| 1. Having advanced theoretical and practical knowledge supported by textbooks, application tools and other resources containing up-to-date information in the field. | | 1. Has basic knowledge of Medical Biology and is knowledgeable about the technical equipment, devices and instruments required in this field. | | |
| -Conceptual  -Cognitive | PROGRAM LEARNING OUTCOMES | | | TYYÇ | TAY |
| Must be able to plan research in the field of Medical Biology and design the required experimental setup. | | | 7 | 721 |
| Must be able to gain the skills to conduct experiments, collect data, analyze and interpret results in the field of Medical Biology. | | | 7 | 721 |
| TURKEY HIGHER EDUCATION QUALIFICATIONS FRAMEWORK (THQF) | | MAIN AREAS OF COMPETENCE (MAC) | | |
| 1-Uses theoretical and practical knowledge acquired at the level of expertise in the field of health.  2-Combines the information he has in the field of health with information from different disciplines and interprets it to create new information, analyzes and synthesizes using different research methods and offers solution suggestions.  3-Writes the report of his research.  4-Uses advanced level technological tools, including computers, and devices and instruments specific to the field at the required level in the field of health, and makes the necessary examinations and solves the problems and issues.  5-Plans and conducts experimental research. | | 1. Uses the theoretical and applied knowledge acquired at the expert level in the field of Medical Biology.  2. Integrates the knowledge acquired in the field of Medical Biology with information from different disciplines and interprets it to create new information, analyzes and synthesizes using different research methods and offers solution suggestions.  3. Writes the report of the research conducted in the field of Medical Biology.  4. Performs the necessary examination and solves the problems and issues by using advanced level of devices and instruments specific to the field, including computers, at the level required by the field of Medical Biology.  5. Plans and conducts experimental research in the field of Medical Biology. | | |
| Competencies | Competence to Work Independently And Take Responsibility | PROGRAM LEARNING OUTCOMES | | | TYYÇ | TAY |
| Gaining the ability to understand and embrace the importance of lifelong and self-learning, to be observant, questioning, curious and investigative. | | | 7 | 721 |
| Gaining the attitude and behavior of observing the principles of "non-maleficence-beneficence, justice and autonomy", which are universal medical ethics principles. | | | 7 | 721 |
| TURKEY HIGHER EDUCATION QUALIFICATIONS FRAMEWORK (THQF) | MAIN AREAS OF COMPETENCE (MAC) | | | |
| 1. Creates, proposes solutions, solves problems, evaluates the results obtained and applies them when necessary in matters requiring expertise in the field of health.  2. Develops solution proposals and takes responsibility and produces solutions in cases of unforeseen complex situations in matters related to health.  3. Conducts studies related to the field of health independently and/or as a team.  4. Publishes a scientific article in a national journal or presents it at a scientific meeting.  5. Conducts scientific clinical and/or descriptive research/ presentation/ publication on priority issues related to the field and public health. | 1. Designs, conducts, finalizes and evaluates a study that requires expertise in the field of Medical Biology.  2. Develops new strategic approaches to solve unforeseen complex problems encountered in applications related to the field and produces solutions by taking responsibility.  3. Conducts studies related to the field of Medical Biology independently and/or as a team.  4. Publishes a scientific article or presents a study in the field of Medical Biology at a scientific meeting.  5. Conducts scientific clinical and/or descriptive research /presentation/publication on priority issues related to the field of Medical Biology and public health. | | | |
| PROGRAM LEARNING OUTCOMES | | | TYYÇ | TAY |
| Learning Competency | To be able to gain the skills of being an observer, questioner and researcher while using the knowledge and skills related to the field of expertise in the field of health. | | | 7 | 721 |
| To be able to learn and develop all kinds of new scientific ideas and methods related to the field of expertise. | | | 7 | 721 |
| TURKEY HIGHER EDUCATION QUALIFICATIONS FRAMEWORK (THQF) | MAIN AREAS OF COMPETENCE (MAC) | | | |
| To be able to approach events in the field of health creatively and critically by using advanced theoretical and practical knowledge acquired in the field, and to find, apply and develop new ideas and methods in solving problems and making decisions. | Evaluates the knowledge and skills acquired at the expert level in the field of Medical Biology with a critical approach and directs his/her learning. | | | |
|  | Communication And Social Competence | PROGRAM LEARNING OUTCOMES | | | TYYÇ | TAY |
| To have acquired the ability to be ethical and reliable in joint studies conducted in one's own field of expertise or in different areas of expertise in the health field (interdisciplinary studies), and to have acquired the ability to communicate effectively with the work team. | | | 7 | 721 |
| To be able to convey the knowledge, skills and experiences gained in the health field in written and verbal form. | | | 7 | 721 |
| TURKEY HIGHER EDUCATION QUALIFICATIONS FRAMEWORK (THQF) | MAIN AREAS OF COMPETENCE (MAC) | | | |
| 1. Discusses and shares information, current developments and own studies in the field of health systematically with groups in or outside the field in written, oral and visual formats.  2. Critically examines social relations in the professional and occupational environment and the norms that guide these relations and does what is necessary to improve them.  3. Communicates verbally and in writing using a foreign language at a general level. | 1. Discusses and shares current developments and own studies in the field of Medical Biology, both verbally and in writing. | | | |
| Specific Areas  Perfection | PROGRAM LEARNING OUTCOMES | | | TYYÇ | TAY |
| Must be able to develop a new scientific method, put it into practice and gain the ability to conduct original studies through scientific studies he/she has done or will do in his/her field of expertise in Medical Biology. | | | 7 | 721 |
| To be able to transform knowledge and skills related to Medical Biology into projects and activities in collaboration with different areas of expertise within the framework of a social responsibility approach. | | | 7 | 721 |
| TURKEY HIGHER EDUCATION QUALIFICATIONS FRAMEWORK (THQF) | MAIN AREAS OF COMPETENCE (MAC) | | | |
| 1. Must be able to establish functional interaction by using strategic decision-making processes in solving problems encountered in the field of Medical Biology expertise.  2. Must be able to plan the experimental phase where they can test the hypotheses they have established by contributing to the solution of problems related to other areas of expertise in the field of health. | 1. Uses theoretical and applied knowledge in the field of Medical Biology to solve problems in the health field.  2. Leads scientific activities such as congresses, courses, symposiums and the like in the field of Medical Biology.  3. Organizes educational events and social activities that support the development of scientific studies in the field of Medical Biology. | | | |