ESKİŞEHİR OSMANGAZİ UNIVERSİTY AGRİCULTURE FACULTY

HORTİCULTURE DEPARTMENT

BAHÇE BİTKİLERİ BÖLÜMÜ

PROGRAM OUTCOMES – TYYÇ ASSOCIATIONS

6TH LEVEL (UNDERGRADUATE EDUCATION) – ACADEMIC WEIGHTED

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| Knowledge | -Theoretical --Factual | PROGRAM LEARNING OUTCOMES | TYYÇ | TAY |
| Sufficient equipment in basic sciences and engineering and to gain the ability to apply and transfer this knowledge in the field of horticulture. | 1 | 1 |
| TÜRKİYE HIGHER EDUCATION QUALIFICATIONS FRAMEWORK (TYYÇ) | BASIC FIELD COMPETENCIES (TAY) |
| 1. To have the basic information on horticulture and other agriculture engineering areas, describing the required data to solve the problems, to have the ability of gathering data and solving the problems by using information technology | 1. To have sufficient background in mathematics, science and engineering related to their field. |
| Abilities | -Cognitive-Applied | PROGRAM LEARNING OUTCOMES | TYYÇ | TAY |
| To have theoretical and practical (land and laboratory) information on growing and breeding of fruits, vegetables, grapevine and ornamental plants, and to use and transfer this information accurately | 2 | 2 |
| To have the skill of using and applying biotechnology on horticulture | 1, 2 | 4 |
| To have the skill on observing the changes through harvest, post-harvest, and storage of horticultural crops, and to have the information on storage conditions | 2 | 5 |
| TÜRKİYE HIGHER EDUCATION QUALIFICATIONS FRAMEWORK (TYYÇ) | BASIC FIELD COMPETENCIES (TAY) |
| 1. To have the ability of getting the data on horticultural area, and evaluation, recording, project creation and application skills
2. To spread the advanced knowledge and skills acquired in the field.
 | 1. 2. Identifies, defines, formulates and solves engineering problems, selects and applies appropriate analytical methods and modeling techniques for this purpose.
2. 4. Selects and uses modern techniques and tools necessary for engineering applications.

5. Designs experiments, conducts experiments, collects data, analyzes and interprets the results. |

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|  |  | PROGRAM LEARNING OUTCOMES | TYYÇ | TAY |
| Competencies | Ability to Work Independently and Take Responsibility | To have the ability of working in individual, multiple and different disciplined teams, and having the responsibility | 2 | 1 |
| TÜRKİYE HIGHER EDUCATION QUALIFICATIONS FRAMEWORK (TYYÇ) | BASIC FIELD COMPETENCIES (TAY) |
| 2. To be able to take responsibility individually and as a team member to solve unforeseen complex problems encountered in applications related to the field. | 1. Works effectively individually and in multidisciplinary teams. |
| PROGRAM LEARNING OUTCOMES | TYYÇ | TAY |
| Learning Competence | To determine the requirements as a result of observations and to find and disseminate solutions to these with traditional and modern combined methods. | 2 | 5 |
| TÜRKİYE HIGHER EDUCATION QUALIFICATIONS FRAMEWORK (TYYÇ) | BASIC FIELD COMPETENCIES (TAY) |
| 2. To be able to identify deficiencies in education and to fulfill the requirements to eliminate these deficiencies with the necessary dedication. | 5. Analyzes a system, system component or process and designs it under realistic constraints to meet desired requirements; In this regard, it applies modern design methods. |
| Communication and Social Competence | PROGRAM LEARNING OUTCOMES | TYYÇ | TAY |
| The competent education he received; To be an individual who can effectively convey verbal or instrumental presentations and use body language well. | 1 | 2 |
| To raise awareness about problem solving, planning and organizing skills through practical and analytical thinking, and innovative and sustainable solutions. | 2, 3 | 5 |
| TÜRKİYE HIGHER EDUCATION QUALIFICATIONS FRAMEWORK (TYYÇ) | BASIC FIELD COMPETENCIES (TAY) |
| 1. To be in communication with people and institutions related to the field. Expressing your thoughts. If necessary, to make explanations with presentations or experiments.2. Organizing or participating in events that require social responsibility awareness outside the field. | 2. Communicates effectively verbally and in writing; Uses a foreign language at least at the European Language Portfolio B1 General Level.5. Be aware of the universal and social effects of engineering solutions and applications; Becomes aware of entrepreneurship and innovation issues and has knowledge about the problems of the age. |

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|  | Domain-Specific Competency | PROGRAM LEARNING OUTCOMES | TYYÇ | TAY |
| To be a competent individual who is investigative and informative in that field, observing ethical values. | 1 | 1 |
| To have the ability of getting the data on horticultural area, and evaluation, recording, project creation and application skills | 2 | 2, 3 |
| TÜRKİYE HIGHER EDUCATION QUALIFICATIONS FRAMEWORK (TYYÇ) | BASIC FIELD COMPETENCIES (TAY) |
| 1. Identification of deficiencies in the field, taking necessary actions and disseminating them.2. Acting in accordance with social, scientific, cultural and ethical values at every stage of work.3. To consider sustainability in all activities in which it is involved and to be competent in occupational health and safety issues.  | 1. Has awareness of professional and ethical responsibility.2. Awareness of project management, workplace practices, employee health, environment and occupational safety; Has awareness about the legal consequences of engineering practices.3. Demonstrates awareness of the universal and social impacts of engineering solutions and applications; He is aware of the issues of entrepreneurship and innovation and has knowledge about the problems of the age. |