

OPERATIONAL RESEARCH IN AGRICULTURE

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| 1 | Course Title: | OPERATIONAL RESEARCH IN AGRICULTURE | |
| 2 | Course Code: | TRE6103 | |
| 3 | Type of Course: | Optional | |
| 4 | Level of Course: | Third Cycle | |
| 5 | Year of Study: | 1 | |
| 6 | Semester: | 1 | |
| 7 | ECTS Credits Allocated: | 5.00 | |
| 8 | Theoretical (hour/week): | 3.00 | |
| 9 | Practice (hour/week): | 0.00 | |
| 10 | Laboratory (hour/week): | 0 | |
| 11 | Prerequisites: | None | |
| 12 | Language: | Turkish | |
| 13 | Mode of Delivery: | Face to face | |
| 14 | Course Coordinator: | Doç.Dr. Tolga Tipi | |
| 15 | Course Lecturers: | | |
| 16 | Contact information of the Course Coordinator: | ttipi@uludag.edu.tr, Tel:0 (224) 2941590 U.Ü. Ziraat Fakültesi Tarım Ekonomisi Bölümü Görükle/Bursa | |
| 17 | Website: | | |
| 18 | Objective of the Course: | The objective of this course is to enable the students to learn operational research techniques as a tool for decision making on farm management and farm policy problems. | |
| 19 | Contribution of the Course to Professional Development: | | |
| 20 | Learning Outcomes: | | |
| | | 1 | Ability to define mathematical model of the farm management problems |
| | | 2 | Ability to choose operations research technique for solving problems |
| | | 3 | Ability to solve model by using operations research techniques |
| | | 4 | Ability to analyze and interpret model outputs |
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| 21 | Course Content: | | |
| | | Course Content: | |
| Week | Theoretical | Practice | |
| 1 | Introduction to Operations Research (Basic Definitions, Classification, Historical Development and usage in farm management) | | |
| 2 | Concept of model, model types, mathematical models; practices in farm management | | |

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| ÖK3 | 0 | 0 | 2 | 2 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ÖK4 | 1 | 0 | 2 | 2 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LO: Learning Objectives PQ: Program Qualifications | | | | | | | | | | | | | | | | |
| Contribution Level: | 1 very low | | 2 low | | 3 Medium | | 4 High | | 5 Very High | | | | | | | |