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| **Course Name** | **Code** | **Semester** | **T+U** | **Credit** | **ECTS** |
|  **Commercial Maths** |  | 1 | 1+1 | 1.5 | 3 |
| Prerequisite Courses |  |
| Language of the Course | Turkish |
| Type of Course | Compulsory |
| Course Coordinator |   |
| Instructor |  |
| Course Assistants |  |
| The aim of lesson | In this course; ratio, percentage calculations, purchase, cost, sales and profit calculations, the concept of proportional division and the calculation of profit and loss in companies, to learn to solve mixture and component problems. |
| Course Learning Outcomes | At the end of this course, the student;1. Can make ratio-proportional calculations.
2. Can do percentage calculations.
3. Can make purchase, cost, sales and profit calculations.
4. It can solve mixing, composition and alloying problems.
5. Can make interest and discount calculations.
 |
| Course Content | Ratio-Proportion, Percentage Calculations, Profit-Loss Calculations, Interest Calculations |
| **Weeks** | **Topics** |
| 1 | Ratio-Proportion |
| 2 | Ratio-Proportion |
| 3 | Percentage Calculations |
| 4 | Percentage Calculations |
| 5 | Profit-Loss Calculations |
| 6 | Profit-Loss Calculations |
| 7 | Proportional Division Calculations |
| 8 | Proportional Division Calculations |
| 9 | Mixture, Composition Calculations |
| 10 | Mixture, Composition Calculations |
| 11th | Interest Calculations |
| 12 | Interest Calculations |
| 13 | Interest Calculations |
| 14 | An overview |

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| **General Competencies** |
| Students are expected to understand the main topics of this course and use them in their fields and applications. |
| **resources** |
| Çetiner, E. (2007). Ticari ve Mali Matematik. Gazi Yayınevi.Kömürcü, C. (2009). Ticari Matematik. Özbaran-Ofset. |
| **Evaluation System** |
| It is stated in the syllabus at the beginning of the semester. |

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| **WITH PROGRAM LEARNING OUTCOMES****COURSE LEARNING OUTCOMES RELATIONSHIP TABLE** |
|  | **PO1** | **PO2** | **PO3** | **PO4** | **PO5** | **PO6** | **PO7** | **PO8** | **PO9** | **PO10** |
| **LO1** | 5 | - | - | 4 | 4 | - | - | - | - | - |
| **LO2** | 5 | - | - | 4 | 4 | - | - | - | - | - |
| **LO3** | 5 | - | - | 4 | 4 | - | - | - | - | - |
| **LO4** | 5 | - | - | 4 | 4 | - | - | - | - | - |
| **LO5** | 5 | - | - | 4 | 4 | - | - | - | - | - |
| **LO: Learning Outcomes OP: Program Outcomes** |
| **Contribution Level** | **1 Very Low** | **2 Low** | **3 Medium** | **4 High** | **5 Very High** |

Relation of Program Outcomes and Related Course

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **lesson** | **PO1** | **PO2** | **PO3** | **PO4** | **PO5** | **PO6** | **PO7** | **PO8** | **PO9** | **PO10** |
| Commercial Maths | 5 | - | - | 4 | 4 | - | - | - | - | - |

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