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|  **Name of the Course** | **Code** | **Semester** | **T+U** | **Credit** | **ECTS** |
| **Commercial Mathematıcs** |  | 1 | 2+0 | 2 | 3 |
|  Prerequisite Courses |  |
| Language of the Courses | Turkish |
| Category of the Course | Compulsory |
| Coordinator of the Course |   |
| Lecturer |   |
| Asistants of the Course |   |
| Objective of the Course | Main objective of the course is 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. |
| Learning Outputs of the Course | At the end of the 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.
 |
| Content of the Course | This course includes ratio -proportion, percentage calculations, purchase, cost, sales and profit calculations, proportional division and calculations related to companies, mixture, composition and alloy problems, interest calculations and discount calculations |
| **Weeks** | **Subjects** |
| 1 | Ratio - Proportion |
| 2 | Ratio - Proportion |
| 3 | Percentage Calculations |
| 4 | Percentage Calculations |
| 5 | Purchase, Cost, Sales and Profit Accounts |
| 6 | Purchase, Cost, Sales and Profit Accounts |
| 7 | Calculations Related to Proportional Division and Companies |
| 8 | Calculations Related to Proportional Division and Companies |
| 9 | Mixture, Composition and Alloy Problems |
| 10 | Mixture, Composition and Alloy Problems |
| 11th | Mixture, Composition and Alloy Problems |
| 12 | Interest Accounts and Discount Accounts |
| 13 | Interest Accounts and Discount Accounts |
| 14 | Interest Accounts and Discount Accounts |

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| **Competencies** |
| Students are expected to understand the main topics of this course and use it in their fields and applications. |
| **References** |
| Cetiner, E. (2007). Business and Financial Mathematics. Gazi Publishing House.Kömürcü, C. (2009). Business Mathematics. Özbaran-Offset.Küçük, Y. Üreyen, M. Orhan, Ö. Şenel, M. Özer, O. Azcan, H. (2001). *General Mathematics* , Eskisehir: Anadolu University Web-Offset. |
| **Assessment System** |
| It is stated in the syllabus at the beginning of the semester. |

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| **Learning Outcomes of the Program and Course Matrix Chart** |
|  | **PO1** | **PO2** | **PO3** | **PO4** | **PO5** | **PO6** | **PO7** | **PO8** | **PO9** | **PO10** | **PO11** | **PO12** |
| **LO1** | 2 | 5 | 2 | 5 | 3 | 5 | 2 | - | 3 | - | 3 | 5 |
| **LO2** | 2 | 5 | 2 | 5 | 3 | 5 | 2 | - | 3 | - | 3 | 5 |
| **LO3** | 2 | 5 | 2 | 5 | 3 | 5 | 2 | - | 3 | - | 3 | 5 |
| **LO4** | 2 | 5 | 2 | 5 | 3 | 5 | 2 | - | 3 | - | 3 | 5 |
| **LO5** | 2 | 5 | 2 | 5 | 3 | 5 | 2 | - | 3 | - | 3 | 5 |
| **LO: Learning Outcomes PO: Program Outcomes** |
| **Contribution****Level** | **1 Very Low** | **2 Low** | **3 Intermediate** | **4 High** | **5 Very High** |

Relevance of Program Outcomes and Course

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name of the Course** | **PO1** | **PO2** | **PO3** | **PO4** | **PO5** | **PO6** | **PO7** | **PO8** | **PO9** | **PO10** | **PO11** | **PO12** |
| Commercial Mathematıcs | 2 | 5 | 2 | 5 | 3 | 5 | 2 | - | 3 | - | 3 | 5 |

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