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| **Course Name** | **Code** | **Semester** | **T+U** | **Credit** | **ECTS** |
| **Business Mathematics** |  | 2 | 2+0 | 2 | 2 |
| 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, Purchase, Cost, Sales and Profit Calculations, Proportional Division and Calculations Related to Companies, Mixture, Composition and Alloy Problems, Interest Calculations and Discount Calculations |
| **Weeks** | **Topics** |
| one | 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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| **General Competencies** |
| Students are expected to understand the main topics of this course and use it in their fields and applications. |
| **resources** |
| 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. |
| **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** | **PO11** | **PO12** |
| **LO1** | - | - | - | - | - | 5 | - | - | 5 | 5 | - | - |
| **LO2** | - | - | - | - | - | 5 | - | - | 5 | 5 | - | - |
| **LO3** | - | - | - | - | - | 5 | - | - | 5 | 5 | - | - |
| **LO4** | - | - | - | - | - | 5 | - | - | 5 | 5 | - | - |
| **LO5** | - | - | - | - | - | 5 | - | - | 5 | 5 | - | - |
| **REVENGE: Learning Outputs OP: Program Outputs** |
| **Contribution****level** | **1 Very Low** | **2 Low** | **3 Medium** | **4 High** | **5 Very High** |

Relation of Program Outcomes and Related Course

|  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **lesson** | **PO1** | **PO2** | **PO3** | **PO4** | **PO5** | **PO6** | **PO7** | **PO8** | **PO9** | **PO10** | **PO11** | **PO12** |
| Commercial **Mathematics** | - | - | - | - | - | 5 | - | - | 5 | 5 | - | - |

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