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| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **Course Name** | | **Code** | **Semester** | **T+U** | **Credit** | **ECTS** | | **Business Mathematics** | |  | 3 | 3+0 | 3 | 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 | This lesson finally student ;  1-Can make ratio-proportional calculations.  2-Can make percent calculations.  3-Can make purchase, cost, sales and profit calculations.  4-Can solve mixture, composition and alloy problems.  5-Can make interest and discount calculations. | | | | | | | Course Content | Ratio -proportion , percent calculations , profit and loss calculations , proportional divide calculations , mixture , composition calculations , interest calculations . | | | | | | | **Weeks** | **Topics** | | | | | | | one | 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 | | | | | |  |  | | --- | | **General Competencies** | | from students this main topics of the lesson their understanding and fields with in applications their use expected . | | **resources** | | Cetiner, E. (2007). *Commercial and financial mathematics* . Ankara, Gazi Publishing House.  Kömürcü, C. (2009). *Business mathematics* . Özbaran-Offset.  Küçük, Y. Üreyen, M. Orhan, Ö. Şenel, M. Özer, O. and Azcan, H. (2001), *General mathematics* . Eskişehir, Anadolu University Press. | | **Evaluation System** | | It is stated in the syllabus at the beginning of the semester. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **WITH PROGRAM LEARNING OUTCOMES**  **COURSE LEARNING OUTCOMES RELATIONSHIP TABLE** | | | | | | | | | | | | | | | | |  | **PO1** | | **PO2** | **PO3** | | **PO4** | **PO5** | | **PO6** | **PO7** | | **PO8** | **PO9** | | **PO10** | | **LO1** | - | | one | - | | - | - | | one | - | | 5 | - | | one | | **LO2** | - | | one | - | | - | - | | one | - | | 5 | - | | one | | **LO3** | - | | one | - | | - | - | | one | - | | 5 | - | | one | | **LO4** | - | | one | - | | - | - | | one | - | | 5 | - | | one | | **LO5** | - | | one | - | | - | - | | one | - | | 5 | - | | one | | **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   |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **lesson** | **PO1** | **PO2** | **PO3** | **PO4** | **PO5** | **PO6** | **PO7** | **PO8** | **PO9** | **PO10** | | **Commercial Maths** | - | one | - | - | - | one | - | 5 | - | one | |