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| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **Course Name** | | **Code** | **Semester** | **T+U** | **Credit** | **ECTS** | | **Mathematics Education in Preschool** | |  | 3 | 2+0 | 2 | 3 | | Prerequisite Courses |  | | | | | | | Language of the Course | Turkish | | | | | | | Type of Course | Departmental Elective | | | | | | | Course Coordinator |  | | | | | | | Instructor |  | | | | | | | Course Assistants |  | | | | | | | The aim of Lesson | This lesson aims to enable child development students develop skills to apply math activities. | | | | | | | Course Learning Outcomes | At the end of the lesson, students;   1. Understands math skills development in childhood. 2. Knows math developing approaches. 3. Plans math activities. | | | | | | | Course Content | The place and importance of mathematical thinking in pre-school, the preparation of the mathematics center in the classroom, the concepts and education of mathematics, mathematics education with other activities in the program, approaches to the development of mathematical thinking - stems and gems, preparing activity plans. | | | | | | | **Weeks** | **Topics** | | | | | | | 1 | Course description. Basic concepts | | | | | | | 2 | Importance of mathematical thinking. | | | | | | | 3 | Math center preparation | | | | | | | 4 | Maths concepts and tutorial :Classification, comparison, matching | | | | | | | 5 | Maths concepts and education :Ranking, number concept | | | | | | | 6 | Maths concepts and Education : Geometric shapes | | | | | | | 7 | Measuring activities | | | | | | | 8 | Maths concepts and tutorial : Location | | | | | | | 9 | Maths approaches - STEM | | | | | | | 10 | Maths approaches - STEM | | | | | | | 11 | Maths approaches - GEMS | | | | | | | 12 | Maths approaches - GEMS | | | | | | | 13 | Presentations of activity plans | | | | | | | 14 | Presentations of activity plans | | | | | |  |  | | --- | | **General Competencies** | | Students are expected to understand the main topics of this course and use it in their fields and practices. | | **References** | | Aktas Arnas , Y. (2010). *School pre- in the period math education* . Adana: Nobel Bookstore . | | **Evaluation System** | | It is stated in the syllabus at the beginning of the semester. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **PROGRAM LEARNING OUTCOMES**  **AND COURSE LEARNING OUTCOMES RELATIONSHIP TABLE** | | | | | | | | | | | | | | | | |  | **PO1** | | **PO2** | **PO3** | | **PO4** | **PO5** | | **PO6** | **PO7** | | **PO8** | **PO9** | | **PO10** | | **LO1** | 5 | | - | - | |  | - | | - | - | | - | - | | - | | **LO2** | 5 | | 4 | - | | - | - | | - | - | | - | - | | - | | **LO3** | 3 | | - | 3 | | 5 | - | | - | - | | - | - | | - | | **LO: Learning Outputs PO: 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** | | **Preschool Mathematics Education** | 5 | 3 | 2 | 4 | - | - | - | - | - | - | |