|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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 | - | - | - | - | - | - |

 |