

### **Teaching Mathematics II (3-0) 3**

Fractions, student difficulties learning fractions, different meanings of fractions, fraction models, equivalence, comparison, sorting, operations with fractions, decimal fractions, operations with decimal fractions, sample activities appropriate for program achievements, Geometry, development of geometric thinking in children, 2 and 3 dimensional geometry topics and teaching them, sample activities appropriate to the geometry acquisitions in the program, Measuring and measures, development of the idea of measuring in children, dimension, area, volume, time measurements, weighing, monies, sample activities suitable for measurement acquisitions in the program, data management, tables and graphs, sample activities suitable for the data gains in the program, measurement and evaluation in mathematics education, multiple measurement-evaluation methods and techniques,

#### **Course Material:**

İlkokulda Matematik Öğretimi, Yaşar Baykul, Pegem A Yayıncılık, Ankara, 2014.

#### **Supplementary Materials:**

- İlköğretimde Etkinlik Temelli Matematik Öğretimi, Sinan Olkun ve Zülbiye Toluk, Anı Yayıncılık, Ankara, 2003.
- Problem Çözme (İlköğretim I. Kademe Matematik Dersi Örnekleriyle), Neşe Tertemiz ve Melek Çakmak, Gündüz Eğitim ve Yayıncılık, Ankara, 2003.
- İlköğretim Matematik Dersi (1-4. Sınıflar) Öğretim Programı T.C. Milli Eğitim Bakanlığı Talim ve Terbiye Kurulu Başkanlığı, Ankara, 2015.