

# Global Learning Semesters

## Course Syllabus

Course: EDUC-111 Mathematics

Department: Education

Host Institution: University of Nicosia, Nicosia, Cyprus



Course Summary		
Course Code	Course Title	Recommended Credit Hours
EDUC-111	Mathematics	3
Semester Offered	Contact Hours	Prerequisites
Spring	42	None
Department	Level of Course	Language of Instruction
Education	Lower Division	Greek

### Course Description

Aims, goals and importance of mathematics. How do children learn mathematics? National curriculum of mathematics (pre-primary education). Teaching methodology of mathematics. Curriculum planning of the teaching process. Planning of the daily lesson in a pre-primary class (lesson/teaching plan). Project methodology: its application to mathematics. Appraisal of the teaching process of mathematics. The basic mathematical problems and skills. Awareness of numbers at the pre-primary school age. Ways of helping children learn how to count. Problem solving and basic mathematical principles. The meaning and content of the 4 mathematical acts (addition, subtraction, multiplication, division).

### Instructor

Dr Constantia Hadjidemetriou

### Course Aims and Objectives

To assist the students in getting familiar with the content of mathematics as it is applied in pre-primary education. Special emphasis will be given to the aims of mathematics, the teaching methodology and the appraisal of the teaching process.

### Teaching Methods

The course is delivered through a mixture of lectures, practical exercises and assignments.

### Course Teaching Hours

42 hours. The course is delivered during the Spring semester in 14-weeks (3 hours/week).

### Evaluation and Grading

Homework: 20%

Mid-Term: 30%

Final Exam: 40%  
Participation: 10%

## Readings and Resources

### Required Textbook

Filippou, G. & Christou, K. (1995). Teaching mathematics. Athens: Dardanos.