

# Learning Math in the context of European Space for Higher Education

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## ABSTRACT

In this study we specify the main aspects of the implementation of the European Higher Education Area to the teaching of Mathematics.

In a new technological and scientific framework, the interest of teachers in the knowledge and application of current tools encourages us to reflect on which are the main challenges we face. Teachers training in the field of "Distributed Education" and the establishment of strategic plans for teaching math, form the foundation for the successful implementation of new educational paradigms.

We will analyze the methodology for the implementation of subjects and how to achieve the proposed objectives, starting from basic descriptors established by law for all engineering degrees.

Finally, we will describe our analysis about the educational tools needed to make Mathematics more and better accessible for students, when and where these tools should be applied, and which are the departmental resources and teacher training required to achieve the most appropriate use of educational tools.

## Keywords

Distributed Learning, Mathematical Tools, Bologna Process, European Space, Strategic Planning