

Title: **Study of the teaching situation of the subject “General Chemistry” at the University and the experiences of teaching innovation**

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The “General Chemistry” subject is taught in the first year of all Science degrees. It could be the same content for all the degrees or with an extended syllabus in certain subjects according to the degree. The main objective of this subject is to introduce students to the basis of Chemistry. It is useful for understand and delve into more complex topics in the branches of Chemistry.

Within the framework of the BSc in Chemistry at the University of Barcelona, a continuous decrease in the percentage of approved students has been observed, especially in the *Fundamentals of Chemistry 1 (FC1-UB)* course, which is taught along the first half-year. This fact has led to the study of the current situation of “General Chemistry” subject in different Universities.

Furthermore, it is considered that teaching innovation activities are increasingly important for students to learn better via instructional practices. The main objective of the introduction of new methods is to change attitudes and conceptions. Improving and transforming the teaching and learning processes will probably lead to a general improvement.