



Development of a virtual system of improvement of the quality in the teaching of materials science

Carmen Del Hoyo Martínez

SALAMANCA, FACULTY OF CHEMICAL SCIENCES, INORGANIC CHEMISTRY, SALAMANCA, Spain
(hoyo@usal.es)

The last aim of this educational experience is the increase of the motivation of the students for the learning of the matters to giving as well as looking for the raising awareness, placing in the center the student and distinguishing the teaching for every group and specific case with different action plans for subjects and groups. This aim happens for achieving a major participation of the students in the way of developing and raising the matters (active subjects in the teaching), with a major follow-up of the teacher and a constant feedback with possibility of change in the exposition of the subjects to mold it to the characteristics of the groups of students.

Besides the previous thing, one tries to obtain a manual of good practices in the classroom as well as a compendium of the actions undertaken before mistakes or aspects identified in the classroom and what results they have served us as tools for future or current teachers. Likewise, also one tries to improve the implantation of the systems of follow-up of the quality and also of coordination of professorship in the subject of Materials Science.

The accomplishment of the questionnaires carried out by means of the controls of personalized response Educlick, equipment that was obtained by a Project of Educational Investigation (University of Salamanca), and that provides an experience of participation to the students. As for the teachers, it allows the application of measures of improvement and implementation of the quality systems. It might extend to other Powers and Centers that are interested in similar experiences.

The feedback has distinguished himself as one of the most powerful tools for the learning (Black and Williams, 1998). The investigation-action in the classroom (Avison et al, 1999; Contreras Perez and Arbesú García, 2008; Samian and Noor, 2012) supposes a methodology that allows to modify in time the teaching and to contribute this feedback to the pupils in every moment.

The development of this experience of Follow-up of the Quality has been considered to be very positive. The implantation of this system of improvement of the participation of the students and of the professorship in the follow-up of the quality has helped us to know the weak and strong points in the teaching science of the Materials. Likewise, the coordination between the professorship of the area involved in this Project of Educational Innovation and with another external professorship it has been valued very positively.

References

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