



Evolution of the teachings of chemistry in the new degrees of School of Agricultural Engineering and its importance in the acquisition of competencies

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The academic year 2012-13 is the third year of implementation of the Bologna process in ETSI Agricultural for the subjects Chemistry I and Chemistry II in the new four Degrees: Graduate in Engineering and Agricultural Science, Food Engineering Graduate, Graduate in Engineering Environmental and Biotechnology graduate.

We have implemented new interactive methodologies in the teaching-learning process based on the use of the virtual platform of the UPM, and teaching support materials and new laboratory practice developing has. It has also launched new continuous assessment systems that promote active student participation.

A comparative study of academic achievements by students of the new grades in the subjects of chemistry during the last three academic years was performed to correlating the results obtained, the success rate and the drop out, and compare with the level of prior knowledge to those entering students. Possible solutions to try and fix these results in future courses are proposed

Finally, the general competencies that contribute this course, how they are acquired and how they should be evaluated correctly are indicated.

Acknowledgments: Innovation educative projects N° IE02054-11/12 UPM. 2012