

COMPARISON BETWEEN TWO E-CLASSES FOR ELECTIVE COURSES IN SECONDARY AND TERTIARY EDUCATION

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ABSTRACT

In this work, we will compare the usability and functionality of electronic classrooms in secondary and tertiary education. We will compare the traffic, the instructiveness, number of downloads and how friendly both electronic classes are. We compared the electronic classes composed for “Geology and Management of Natural Resources” an elective course in High School and the course “Didactics of Natural Sciences” a second-year elective course at the Department of Primary Education, University of Patras. While in the field of higher education, distance education and electronic classes are an imperative tools for everyday use, on the other hand in secondary education, it has not yet gained the corresponding impact. The elective course about Geology was a unique opportunity to apply the model of blended teaching and flipped classroom based on an electronic classroom in Secondary Education and compare the statistics and usability to a similar teaching procedure in tertiary education.

KEYWORDS: *E-Class, Distance Teaching, E-Learning, Blended Teaching, Flipped Classroom, Statistical Analysis, Elective Courses*