USE OF THE BIM BY STUDENTS OF THE BACHELOR OF ARCHITECTURE: EVALUATION OF THE RESULTS OBTAINED IN THE ASCER 2018 COMPETITION

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Abstract

BIM (Building Information Modeling) is a work methodology in the field of architecture that is being integrated into the curriculum of students, although it is not currently used in its entirety. The research carried out analyses the work delivered in the academic year 2017-2018 for the competition of the ASCER Chair (Spanish Association of Manufacturers of Ceramic Tiles and Flooring), in which the University of Alicante is involved. The works are evaluated on the basis of indicators of use of the BIM, i.e. the complementation of the work of the couples, the development of the project, the calculation of the installations, the visualisation and graphic representation of the project or the analysis of the work phases. The analysis of these indicators is relevant in order to establish the degree of maturity currently obtained by students using this work methodology in the Degree of Architecture. In view of the results presented, guidelines for improving teaching with BIM are proposed. We wish to highlight the support of the Research Network "Building Information Modeling as a new working tool. Support of constructive concepts in the workshops of Conditioning and Services III of the Degree of Architecture", Red ICE 2018-2019 with code 4514.

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