

Senior Thesis Brief Description

Thesis Title	Technical and Feasibility Analysis of Fenestration for a Sustainable Structures
Programme of Studies	BSc in Civil Engineering, Frederick University, Cyprus
Course	CEP 400 Senior Project
Area of Study	Computational Building Physics – Whole Building Energy Analysis
Student's Name	Christina Chatzoglou
Students Reg. Number	9710
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. George Michaelides, Ass. Professor, Civil Engineering Department Dr. Christakis Onisiphorou, Lecturer, Civil Engineering Department
Semester	Spring Semester 2016
Short Description	The subject of this project was the investigation of the technical and financial performance of different fenestration solutions suitable for sustainable buildings. The technical and the economic analysis of different fenestration for given case studies was implemented. The whole life cycle costing of the proposed solutions was conducted. This study provided useful feedback concerning the applicability of different glazing and frames under given climatic conditions.