

Master Thesis Brief Description

Thesis Title	Designing a residential property using Building Information Modelling
Programme of Studies	MSc in Sustainable Energy Systems
Course	MES 580 Master Thesis
Area of Study	Sustainable Energy Technologies – Biofuels Assessment
Student's Name	Demetris Constantinou
Students Reg. Number	9166
Supervisor	Dr.-Ing. Paris A. Fokaides, Ass. Professor, Mechanical Engineering Department
Supervisory Committee	Dr Michalis Menicou, Assoc. Professor, Mechanical Engineering Department Dr. George Karagiorgis, Professor, Mechanical Engineering Department
Semester	Fall Semester 2019
Short Description	The purpose of this study is to implement a comprehensive energy audit to a set of dwellings with the use of Building Information Modelling. The implemented methodology allowed the dynamic assessment of the proposed measures for the improvement of the energy performance of the investigated dwellings. Proposed measures were also financially assessed with the use of feasibility