

<b>Thesis Title</b>	<b>The impact of the implementation of the European Energy Performance of Buildings Directive on the European building stock: The case of the Cyprus Land Development</b>
<b>Programme of Studies</b>	MSc in Sustainable Energy Systems
<b>Course</b>	SES 701 Maser Thesis I + II
<b>Area of Study</b>	Computational Building Physics – Whole Building Energy Analysis
<b>Student's Name</b>	Kyriakos Polycarpou
<b>Students Reg. Number</b>	100001751
<b>Supervisor</b>	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Frederick University
<b>Supervisory Committee</b>	Dr. Agis Papadopoulos, Professor, Aristotle University Thessaloniki Dr. Fryni Giama, Lab. Teaching Staff, Aristotle University Thessaloniki
<b>Semester</b>	Spring Semester 2017
<b>Short Description</b>	<p>This study aims to simulate variable energy efficiency improvements and evaluate their performance on the building stock of a European member state, Cyprus, and particularly on the dwellings constructed by the national social-housing corporation. The study will reclaim the findings of a previous case study concerning the analysis of the impact of the EPBD implementation on the building stock of the under-review corporation. The study will assess relative literature on the subject, focusing mainly in the latest policies in European Union concerning energy consumption in the residential sector and previous case studies on the social-housing sector. Case studies of across Europe will be used as a basis and for comparison of the findings of the study. The methodology to be used for the purposes of the study is described briefly in the third chapter, followed by the work plan to be followed and the anticipated implementation plan in Chapter 4. The main activities of the study are the documentation of the identity of the buildings of the national social-housing corporation of Cyprus, the proposal and simulation of possible improvements and their evaluation according to the requirements of the EPBD. The concluding chapter of the study will try to suggest specific measures in terms of improving the existing buildings and the design characteristics of future projects, in order to comply with the requirements of the future recasts of the EPBD.</p>