

## Senior Thesis Brief Description

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<b>Thesis Title</b>	<b>Whole building energy analysis with the use of energy performance certification tools</b>
<b>Programme of Studies</b>	BSc in Civil Engineering, Frederick University, Cyprus
<b>Course</b>	CEP 400 Senior Project
<b>Area of Study</b>	Computational Building Physics - Whole Building Energy Analysis
<b>Student's Name</b>	Iosif Kapelakis
<b>Students Reg. Number</b>	10273
<b>Supervisor</b>	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
<b>Supervisory Committee</b>	Dr. Petros Christou, Assoc. Professor, Civil Engineering Department Dr. Christos Anastasiou, Assoc. Professor, Civil Engineering Department
<b>Semester</b>	Fall Semester 2017
<b>Short Description</b>	The aim of this Thesis is to deal with the design of a building located in Crete and then investigate the potential of adopting bioclimatic design principles to improve its energy and environmental performance. Comparison of the findings of these two scenarios, as well as discussion regarding adoption of the second one will be made. Emphasis will be given in the current building and energy performance Greek legislative framework.