

## Senior Thesis Brief Description

---

<b>Thesis Title</b>	<b>Life cycle costing of sustainable masonry for zero energy buildings</b>
<b>Programme of Studies</b>	BSc in Quantity Surveying, Frederick University, Cyprus
<b>Course</b>	ASSP 450 Senior Project
<b>Area of Study</b>	Computational Building Physics - Whole Building Energy Analysis
<b>Student's Name</b>	George Valanides
<b>Students Reg. Number</b>	4794
<b>Supervisor</b>	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
<b>Supervisory Committee</b>	Dr. George Michaelides, Ass. Professor, Civil Engineering Department Dr. Christakis Onisiphorou, Lecturer, Civil Engineering Department
<b>Semester</b>	Spring Semester 2016
<b>Short Description</b>	The main aim of this study was to identify the important aspects of masonry in the view of quantity surveying requirements, towards achieving the zero energy building target. Different masonry construction solutions that enable the reduction of the energy consumption and that are in compliance with the zero energy building concept were identified and discussed. The main quantity surveying aspects of these building elements were analysed. The life cycle costing of these elements was also identified.