

## Master Thesis Brief Description

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<b>Thesis Title</b>	<b>Environmental Assessment tools and evaluation of traditional building materials: the case of adobe</b>
<b>Programme of Studies</b>	MSc in Engineering Management
<b>Course</b>	MEM 590 Master Thesis
<b>Area of Study</b>	Computational Building Physics – Life Cycle Assessment
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<b>Supervisory Committee</b>	Dr. Marios Fyrrillas, Assoc. Professor, Mechanical Engineering Department Dr. Petros Christou, Ass. Professor, Civil Engineering Department
<b>Semester</b>	Spring Semester 2013
<b>Short Description</b>	This study aimed to investigate specific aspects of the environmental management of adobe bricks as a building material. Previous research conducted in the field of adobe promotion, as well as the environmental properties of various forms of adobe were presented. The methodology that was applied in terms of this study was the Life Cycle Analysis (LCA) of the adobe. Particularly, the compilation and evaluation of the inputs, outputs and the potential environmental impacts of adobe throughout its life cycle were examined. Furthermore a framework regarding the implementation of a practical supply chain of adobe in countries of southern Europe was identified.