

## Master Thesis Brief Description

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<b>Thesis Title</b>	<b>Quality Assessment Methods in Construction Industry- Renovation Projects</b>
<b>Programme of Studies</b>	MSc in Engineering Management
<b>Course</b>	MEM 590 Master Thesis
<b>Area of Study</b>	Facilities Management
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<b>Students Reg. Number</b>	5829
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<b>Supervisory Committee</b>	Dr. Andreas Kanarachos, Professor, Mechanical Engineering Department Dr. Christoforos Charalambous, Assoc. Professor, Computer Science Department
<b>Semester</b>	Spring Semester 2013
<b>Short Description</b>	<p>The improvement of buildings' energy efficiency is currently one of the highest priorities of the energy policy of the European Union. As far as new buildings are concerned, the adoption of measures may easily be achieved by means of the legislative minimum energy requirements in building regulations. However in the case of existing buildings, measures must be taken to enable existing buildings owners to renovate their properties by upgrading the buildings shell's thermal performance and replacing existing building services with high-efficiency appliances.</p> <p>The aim of this study was to investigate the development of predictable quality in an industrial context for the main building restoration measures. An inventory of the methods for quality assurance that are available and applicable in case of buildings renovation were presented. Through a questionnaire survey, information related to legislation, coordination, communication, supervision, organization, control, workmanship, motivation by a renovation site were gathered. In order to identify the relationship between the individual attitudinal statements and the general attitude towards quality assessment methods, a multi regression analysis was performed by employing SPSS Statistics 17.0 software. An analysis regarding the potential improvement of quality control and assessment methods was also conducted</p>
<b>External Reference</b>	