

<b>Basic course data</b>	
<b>Academic unit:</b>	Faculty of Architecture, Design and Wood Technology
<b>Program:</b>	Design and Construction of Wooden Products
<b>Course title:</b>	Quality Control of Wood Products
<b>level:</b>	Bachelor
<b>Course status:</b>	Mandatory
<b>Year of studies:</b>	III
<b>Number of hours per week:</b>	3
<b>Value on credit - ECTS:</b>	4
<b>Subject teacher:</b>	Prof. As. Dr. Ramadan Topuzi
<b>Contact details:</b>	ramadan.topuzi@ushaf.net
<b>Course description:</b>	
	The course deals with the basic knowledge of "Quality". Determining its quality and problems. Conception of quality according to the manufacturer and the consumer. Quality identification parameters. Standardization and quality indicators of products. Classic quality methods. Control of technological process, materials, machines and instruments. Determination of quality indicators of ready-made furniture. Types and organization of Technical control. Static quality control of products (furniture). Quality control tests of furniture and their durability. Scarcity analysis.
<b>Course objectives:</b>	
	The course aims to prepare students with basic quality knowledge; quality of products and services. Aims to train them to evaluate the product, prevent defects; to achieve customer requirements. Product, process and service evaluation; based on norms and standards, including the economic and ecological aspect.
<b>Expected learning outcomes:</b>	
	After the successful completion of this course, the student will be able to: <ul style="list-style-type: none"> <li>• Concepts about quality and standards, including recognized quality principles. Standards drafting procedure;</li> <li>• Quality identification parameters. 14 Deming points for quality. Focus on the client as the main voice. The concept of "Zero defect". The</li> </ul>

	<p>difference between the manufacturer and the customer;</p> <ul style="list-style-type: none"> <li>• Classic methods SMED, KANBAN, Lean Production;</li> <li>• Continuous quality improvement processes. Ten steps to quality improvement. Various quality analyzes, practices (diagrams);</li> </ul> <ul style="list-style-type: none"> <li>• Quality of products according to the requirements of the standard and the customer;</li> <li>• Methods of studying product quality.</li> <li>• Static durability of furniture;</li> <li>• Determining the quality indicators of furniture;</li> <li>• Product accuracy and control of some parameters.</li> </ul>
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**Contribution to student workload corresponding to student learning outcomes**

<b>Activity</b>	<b>Hours/Day</b>	<b>Week</b>	<b>Total</b>
Lectures	2	14	28
Theoretical / laboratory exercises	1	14	14
Practical work	3	1	3
Contacts with the teacher / consultations	1	11	11
Field exercises	3	1	3
Test			
Homework	2	2	4
Student's own study time (in the library or at home)	2	10	20
Final preparation for the exam	2	7	14
Time spent on assessment (final exam)	1	2	2
Projects, presentations, etc.	1	1	1
<b>Total</b>			<b>100</b>

**Teaching methodology:** *Lectures and exercises combined with case studies*

**Evaluation method:** *Seminar paper (Project Course) 30%*  
*Final exam 70%*  
*The exam is held with open questions*

**Literature**

<b>Basic literature:</b>	<ol style="list-style-type: none"> <li>1. Nancy R. Taggare, <i>The Quality Toolbox</i>;</li> <li>2. <i>Kontrolli i cilësisë (Dispencë e autorizuar për studentët e UShAF)</i>;</li> <li>3. Bejtja A., <i>Kontrolli i cilësisë, Skript leksionesh UBT</i>;</li> </ol>
<b>Additional literature:</b>	<ol style="list-style-type: none"> <li>4. <i>Standardet e cilësisë ISO</i>;</li> <li>5. <i>Engineered wood products</i>;</li> <li>6. <i>Dimoshi S. Makinat dhe instrumentat prerës</i>.</li> </ol>
<b>Designed lesson plan:</b>	
<b>Week</b>	<b>The lecture that will take place</b>
<b>Week 1:</b>	Quality history and general concepts about it (product and service)
<b>Week 2:</b>	How standards are created, their fulfillment and known quality principles
<b>Week 3:</b>	Quality identification parameters and 14 Deming points for quality
<b>Week 4:</b>	Client as the main voice. Concepts "Zero defect". The difference between the manufacturer and the customer
<b>Week 5:</b>	Classic methods SMED, KANBAN, Lean Production (The most accurate production)
<b>Week 6:</b>	Continuous quality improvement processes. Ten steps to quality improvement
<b>Week 7:</b>	Different quality analyzes, practices (diagrams)
<b>Week 8:</b>	Control of materials, machines and instruments
<b>Week 9:</b>	Control of the technological production process
<b>Week 10:</b>	Methods of studying product quality
<b>Week 11:</b>	Determining the static durability of furniture
<b>Week 12:</b>	Determining the quality indicators of furniture
<b>Week 13:</b>	Determining the durability of different furniture
<b>Week 14:</b>	Analysis of external loads acting on the furniture
<b>Week 15:</b>	Product accuracy and control of some parameters
<b>Academic policies and etiquette:</b>	
<i>Regular attendance, keeping calm and active engagement in dialogue during lectures and exercises is mandatory.</i>	