Basic course data	
Academic unit:	**Faculty of Architecture, Design and Wood Technology**
Program:	**Interior Architecture and Furniture Design**
Course title:	**Technical Preparation of Production and Quality Control**
level:	**Bachelor**
Course status:	**Mandatory**
Year of studies:	**III**
Number of hours per week:	**3**
Value on credit - ECTS:	**6**
Subject teacher:	
Contact details:	
Course description:	The course deals with the technological process of furniture production. Technical preparation and details of the production of the details necessary for their production. Furniture and other objects made of wood and wood-based panels. Elements, subassemblies and assemblies. Corporal furniture. Application of carpentry joints in the production of furniture. Organization, management and control of the technological production process. Quality identification parameters. Standardization and quality indicators of products. Classical quality methods. Determination of quality indicators of finished furniture. Types and organization of Technical control. Static quality control of products (furniture). Quality control tests of furniture and their durability. Quality and standards in Interior architecture and their application.
Course objectives:	The course aims to prepare students with knowledge of the technological process and technical details of furniture production. Training them in product evaluation, defect prevention; to achieve customer satisfaction. Process and service evaluation; based on international norms and standards.
Expected learning outcomes:	Planning the space of the technological process of furniture production;

	• Technical preparation and details necessary for the production of furniture; • Furniture and other objects made of wood and wood-based panels; • Organization and management of production; • Concepts about quality and standards, including recognized quality principles. • Classical methods and processes of continuous quality improvement. • Quality of products according to standard and customer requirements; • Accuracy of products and control of some parameters such as static stability of furniture; • Quality and standards in Interior architecture.

Contribution to student workload corresponding to student learning outcomes			
Activity	**Hours/Day**	**Week**	**Total**
Lectures	2	14	28
Theoretical / laboratory exercises	1	14	14
Practical work	3	5	15
Contacts with the teacher / consultations	1	10	10
Field exercises	3	2	6
Test			
Homework	3	10	30
Student's own study time (in the library or at home)	2	11	22
Final preparation for the exam	5	4	20
Time spent on assessment (final exam)	1	2	2
Projects, presentations, etc.	1	3	3
Total			**150**

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	

Basic literature:	1. Mark Ripley, Making Furniture, Project & Plans (2008) 2. Jim Postell Furniture Design (Second Edition) 3. Nancy R. Taggue, The Quality Toolbox; 4. Bejtja A., Kontrolli i cilësisë, Skript leksionesh UBT;
Additional literature:	4. Standardet e cilësisë ISO; 5. Engineered wood products;

Designed lesson plan:	
Week	**The lecture that will take place**
First week:	**Basic concepts for furniture production and quality**
Second week:	**Raw and auxiliary materials. Furniture components, subassemblies and assemblies**
Week third:	**Solid wood furniture, cabinet furniture**
Week four:	**Technological process of furniture production. Application of joinery in furniture production. Technological specifics of production**
Week fifth:	**Organization, management and quality control in the production process**
Week sixth:	**General concepts of quality (product and service). Standards**
Week seven:	**Quality identification parameters and Deming's 14 points for quality**
Week eight:	**The customer as the main voice. Classical methods SMED, KANBAN, Lean Production (Most accurate production)**
Week ninth:	**Continuous quality improvement processes. Ten steps of quality improvement**
Week ten:	**Application of various quality diagrams Control of the technological production process**
Week eleven:	**Methods of studying product quality Determination of quality indicators of furniture**
Week twelve:	**Determination of static stability**
Week thirteen:	**Determination of the stability of various furniture. Control of some parameters**
Week fourteen:	**Quality and standards in interior architecture**
Week fifteen:	**Presentation of the course project**

Academic policies and etiquette:
Regular attendance, keeping calm and active engagement in dialogue during lectures and exercises is mandatory.