Basic course data	
Academic unit:	Faculty of Architecture, Design and Wood Technology
Program:	Design and Construction of Wooden Products
Course title:	Materials in Interior and Exterior
level:	Bachelor
Course status:	Obligatory
Year of studies:	I
Number of hours per week:	3
Value on credit - ECTS:	6
Subject teacher:	Prof. As. Dr. Ramadan Topuzi
Contact details:	ramadan.topuzi@ushaf.net
Course description:	The course deals with basic knowledge about the main materials applied in Interior and Exterior; including raw materials and auxiliary materials. Physical, mechanical and aesthetic and ecological characteristics of materials. Solid wood, its characteristics and use. Natural materials and variety of industrial ones. Wood panels. Wood-based tiles. Carpentry and fiber boards; types and uses. Metal and plastic materials. Clothing materials (textiles). Natural and artificial skins. Upholstered furniture filling materials. Metal and plastic accessories. Other non-timber materials. Architectural use of different materials in the Interior and their limitations. Recognition and use of different materials used in Exterior.
Course objectives:	The course aims to prepare students with the necessary knowledge of materials used in the Interior and Exterior. Focuses on the types of natural and artificial (industrial) materials and their application. Features and their place-use. Their aesthetic, physical and mechanical qualities, including economic and ecological aspect. Comparison and alternative solutions.
	After the succesful completion of this course the student will be able to: • Identifying characteristics of aesthetics, quality and use of treated materials; • Wood-based materials (wood panels,

Expected learning outcomes:	wood panels, MDF; melamine and veneer); • Organic materials and variety of industrial ones; • Different types and applications of glass and plexiglass. Statements and their application; • Various accessories applied in the production of furniture; • Interior clothing materials such as: leathers, fabrics, textiles; • Materials for the frames of "upholstered furniture" upholstery, springs, belts; • Filling materials; their aesthetic, elastic, hygienic, ecological properties, etc; • • Wide range of materials used in Exterior and their properties.

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	1	3
Contacts with the teacher / consultations	1	10	10
Field exercises	3	2	6
Test			
Homework	2	7	14
Student's own study time (in the library or at home)	4	12	48
Final preparation for the exam	6	4	24
Time spent on assessment (final exam)	1	2	2
Projects, presentations, etc.	1	1	1
TOTAL			**150**

Teaching methodology:	Lectures and exercises combined with case studies
Metoda e vlerësimit:	Seminar paper (Project Course) 30% Final exam 70% The exam is held with open questions

Literature	
Basic literature:	1. Addington, D. Mishele; Schodek, Daniel L.: Smart Material and Technologies for the Architecture and Design Professions, Architectural Pres/Eslevier: Oxford, 2004 2. J. Rosemary Riggs. Materials and Components of Interiors Architecture (Eighth Edition); 3. Diomoshi S, Konica A, Materiale ndihmëse në industrinë e drurit (1998)
Additional literature:	4. Smart Materials in Architecture, Interior Architecture and Design, Riter, A. 5. Myer Kutz, Applied Plastics Engineering Handbook; Processing, Materials and Anplicaton, Second Edition 6. Lato E, Quku D, Studim druri (Struktura makroskopike dhe vetitë e drurit) 2008

Designed lesson plan:	
Week	**The lecture to be held**
First week:	Massive wood and its physical-mechanical properties
Second week:	Glued wood panels, lamellar beams
Week third:	Technical and decorative veneer, plywood
Week four:	Carpentry boards, OSB
Week fifth:	Fiber boards: MDF, HDF
Week sixth:	Metal materials in the interior; skeletons and springs
Week seven:	Plastic materials and their application
Week eight:	Filling materials
Week ninth:	Clothing materials; textiles
Week ten:	Natural and artificial skins
Week eleven:	Plexiglas, glass and mirrors
Week twelve:	Metal, plastic, electrical accessories and their combination
Week thirteen:	The main materials used in Exterior
Week fourteen:	Ceramics, marble and granite
Week fifteen:	Alicobond and other industrial materials

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