

<b>Basic data of the subject</b>			
<b>Academic Unit:</b>	Faculty of Architecture, Design and Wood Technology		
<b>Program:</b>	Design and Construction of Wooden Products		
<b>Subject title:</b>	Wood and its pre-fabricated products		
<b>Study level:</b>	Bachelor		
<b>Subject status:</b>	Mandatory		
<b>Years of study:</b>	I		
<b>Number of hours per week:</b>	3		
<b>Value of credits – ECTS:</b>	5		
<b>Time / location:</b>	UASF		
<b>Lecturer of the subject:</b>	Prof. Asoc.Bashkim Thaqi		
<b>Contact details:</b>	bashkim.thaqi@ushaf.net		
<b>Subject description:</b>	Students will learn about: wood as a material for the industry of production of interior products; the cells on the tree; the impact of wood shrinkage and muffling on furniture; chemical compounds of wood; physical, mechanical and aesthetic properties of wood; main materials derived from wood products (different types of wood based materials).		
<b>Purpose of subject:</b>	The main objective of this subject is to equip students with sufficient knowledge of wood anatomy (micro and macroscopic structure of wood; physical, mechanical, aesthetic, electrical, acoustic properties of wood; chemical composition of wood and its by-products (underproducts).		
<b>Expected learning outcomes:</b>	<p>After completion of this module, students will be able to:</p> <ul style="list-style-type: none"> <li>• Know the types of trees;</li> <li>• Recognize the cells on coniferous and deciduous trees;</li> <li>• Know the physical, mechanical, aesthetic properties of the wood;</li> <li>• Get acquainted with the aesthetic properties of wood;</li> <li>• Know about the types and uses of wood products.</li> </ul>		
<b>Contribution to student workload (which should correspond to the students learning outcomes)</b>			
<b>Activity</b>	<b>Hours</b>	<b>Days/week</b>	<b>Total</b>
Lectures	3	15	45
Theoretical / laboratory exercises	2	10	20
Practical work	5	2	10
Contacts to the Lecturer / Consultations	2	1	2
Field exercises	2	2	4
Tests, student seminars	4	1	4

Home work	2	1	2
Time of self-study (in the library or home)	4	4	16
Final preparation for the exam	7	3	21
Time spent in assessment (tests, quiz, final exam)	2	1	2
Projects, presentations, etc.	3	1	3
<b>Total</b>			<b>129</b>
<b>Teaching methodology:</b>			
	Lectures and exercises combined with case studies and class discussions		
<b>Assessment methods:</b>			
	The final exam will be assessed with 60% and the project/s will be assessed with 40%		
<b>Literature</b>			
<b>Basic literature:</b>			
	[1] Studim Druri, E. Lato, D. Cuku; Tiranë (2008) [2] Materialet me bazë druri (materiale të përkthyer),		
<b>Additional literature:</b>			
	1. Struktura dhe vetitë e drurit, Muharrem Sejdiu; Ferizaj (2020)		

<b>Designed plan of teaching:</b>	
<b>Weeks</b>	<b>Lecture to be held</b>
<i>Week 1:</i>	Introduction to the syllabus and introduction to the subject
<i>Week 2:</i>	Tree growth and shaping
<i>Week 3:</i>	Microscopic structure of wood
<i>Week 4:</i>	Macroscopic structure of wood
<i>Week 5:</i>	Anatomy of softwood and hardwood
<i>Week 6:</i>	Cells and its walls
<i>Week 7:</i>	Wood defects
<i>Week 8:</i>	Volumetric mass
<i>Week 9:</i>	Physical properties of wood
<i>Week 10:</i>	Wood defects
<i>Week 11:</i>	Mechanical properties of wood
<i>Week 12:</i>	Electrical, acoustic, thermal properties
<i>Week 13:</i>	Material proof machines
<i>Week 14:</i>	Application of software work to practical work

**Week 15:**

Factors that influences the mechanical resistance of wood

**Academic policies and rules of conduct:**

Regular attendance, maintaining the order and active engagement in dialogue during lectures and exercises is compulsory.