

Basic data of the subject	
Academic Unit:	Faculty of Architecture, Design and Wood Technology
Program:	Design and Construction of Wooden Products
Subject title:	Primar Wood Processing
Study level:	Bachelor
Subject status:	Mandatory
Year of study:	I
Number of hours per week:	3
Value of credits - ECTS:	6
Contact details:	bujar.jashari@ushaf.net
Subject description:	<p>Providing basic knowledge about the advantages that wood offers compared to other materials.</p> <p>During the course students will gain knowledge on wood types and their use in wood-based materials.</p> <p>Students will gain knowledge about the machines that serve for sawing raw materials. They will also learn about the types of assortments that derives from materials in primary wood processing machines during the working processing.</p>
Purpose of subject:	<p>The purpose of this subject is to acquaint the student with the importance of the material, the classification of the raw material for sawing, the square for storage and the storage of timber.</p> <p>Also, through this subject, students will be provided with knowledge about the machines needed for processing, starting from circular saw machines / circular saws, gaters, etc.</p> <p>Through this subject students will be able to understand the concepts of sawing mill timber, the theory of maximum cutting patterns, graphical presentation for calculating cutting patterns, ways of sawing timber with defects. Deposition of wood, methodology for calculating the number of machines, etc.</p>
Expected learning outcomes:	To provide students with knowledge on recognition with the products of sawdust, the

	ways of sawing timber, how to stack sawed wood, assortments, the drying process, etc.		
Rezultatet e pritura të nxënies:	After completion of this subject, students will be able to: <ul style="list-style-type: none"> • Know the history of Primar Wood Processing and the stages of development, • Recognize timber assortments in Primar Wood Processing, • Classify the timber • Recognize the timber and the technological ordering of heavy machinery used in primary wood processing. 		
Contribution to student workload (which should correspond to the students learning outcomes)			
Activity	Hours	Days/week	Total
Lectures	2	15	30
Theoretical / laboratory exercises	2	8	16
Practical work	3	4	12
Contacts to the Lecturer / Consultations	1	8	8
Field exercises	3	3	9
Tests, student seminars	2	2	4
Home work	2	4	8
Time of self-study (in the library or home)	2	20	40
Final preparation for the exam	2	10	20
Time spent in assessment (tests, quiz, final exam)	1	3	3
Projects, presentations, etc.	0	0	0
Total			150
Teaching methodology:	<i>Lectures, exercises, independent work in the laboratory and homework</i>		
Assessment methods:	The percentage of each student's participation must be determined at the end of the course. One of the ways of evaluation would be as follows: First rating: 30% Second rating 30%		

	Homework or other commitments 10% Regular follow-up 10% 30% final exam Total 100%
Literature	
Basic literature:	[1] Lënda e Sharruar, Dr. Dritan Ajdinaj dhe Dr. Pandeli Marku, Tiranë, 2014 [2] Prodhimi i lëndës së sharruar, Ing. Ilo Shqau, Arben Bejtja. [3] Prodhimi i lëndës drusore të sharruar, Ass. Prof. Dr. Skender Fico,
Additional literature:	[1] Pimary Wood Processing – Principles and Practise. John C.F. Walker 2006 [2] Primar Process of wood tech. 2010 [3] How to make money with portable sawmill business. John Davidson 2016

Designed plan of teaching:	
Weeks	Lecture to be held
Week 1:	The importance of the material, the classification of the raw material, the classification of the sawed material, etc.
Week 2:	Square for storage and storage of timber
Week 3:	Gaters and equipments for first raw processing
Week 4:	Mechanism for separating squared from non-squared boards
Week 5:	Machines for wood processing
Week 6:	Technical Features of machines
Week 7:	Machines and their technical characteristics
Week 8:	Circular sawmills / circulators
Week 9:	Timber sawing methods
Week 10:	Theory of maximum cutting patterns
Week 11:	Graphical representation for calculating cutting patterns
Week 12:	Ways of sawing wood with defects
Week 13:	Installation of machines and technological processes in the buildings of sawmill factories

Week 14:	Separation of boards into assortments
Week 15:	Deposition of sawmill timber, methodology for calculating the number of machines
Academic Policies and Rules of Conduct:	
<i>Regular attendance, keeping calm and active engagement in dialogue during lectures and exercises is mandatory.</i>	