

Basic data of the subject	
Academic Unit:	Faculty of Architecture, Design and Wood Technology
Program:	Design and Constructions of Wood Products
Subject title:	Wood Constructions I
Study level:	Bachelor
Subject status:	Mandatory
Year of study:	II
Number of hours per week:	3
Value of credits - ECTS:	5
Lecturer of the subject:	Lulzim Idrizi
Contact:	lulzim.idrizi@ushaf.net
Subject description:	
	<p>The subject has the task of informing the students about the Materials and the tools for the realization of the Drawings in the Wood Constructions. Technical Drawing Standards that are also standards for the realization of drawings in Wooden Constructions. Basics of construction science. Materials used in Wood Constructions and their marking by drawing. Elementary constructive connections from solid wood and various wood-based tiles. Construction of products from wood-based boards; which can be: doorless, door-to-door. Construction of solid wood products. Construction of products with combination of solid wood, wood-based boards and glass. Construction of various tables.</p> <p>Analysis and evaluation of realized projects.</p>
Purpose of subject:	
	<p>The purpose of this subject is for students to gain basic knowledge on the application of technical drawing standards in wood constructions, to know the materials, to present their form in constructions, to know the basic constructive connections of wood and tiles and to know the whole way of product construction.</p>
Expected learning outcomes:	
	<p>After the successful completion of this subject the student will be able to:</p> <ul style="list-style-type: none"> • know how to choose the material and

	<p>the means for the realization of the Construction.</p> <ul style="list-style-type: none"> • know how to realize the Construction according to the standard of technical drawing. • be able to recognize the wood materials used in wooden constructions. • recognize and apply the relevant carpentry joints in the appropriate places. • be able to completely construct the product and make it applicable in practice.
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Contribution to student workload

(which should correspond to the students learning outcomes)

Activity	Hours	Days/week	Total
Lectures	2	15	30
Theoretical / laboratory exercises	1	15	15
Practical work			
Contacts to the Lecturer / Consultations	1	10	10
Field exercises			
Tests, student seminars	2	1	2
Home work	3	15	45
Time of self-study (in the library or home)	1	10	10
Final preparation for the exam	1	10	10
Time spent in assessment (tests, quiz, final exam)	3	1	3
Projects, presentations, etc.			
Total			125

Teaching methodology:	Lectures and exercises with graphic works combined with cases of analysis and class discussions
Assessment methods:	<ol style="list-style-type: none"> 1. Attendance during lectures 10%. 2. Submission and acceptance of the completed project-course with 40%

	3. Final exam evaluated with 50% of the grade. The exam consists of questions with possible answers, graphic tasks, and a case of constructive solution and evaluation of a practical problem.
Literature	
Basic literature:	Wolfgang Nutsch, 1978, Handbuch der Konstruktion: Moebel und Einbau-schraenke, Stuttgart. Stjepan Tkalec, 1985, Konstrukcije namještaja, Zagreb.
Additional literature:	Talo Grueski/nacko Simakoski, 2003, Konstruiranje mebel, Skopje. Vinko Rozman, 1988, Konstrukcije v lesarstvu (vol.I-IV), Ljubljana.
Designed plan of teaching:	
Weeks	Lecture to be held
<i>Week 1:</i>	Materials and tools for Construction - Technical drawing
<i>Week 2:</i>	Preparation of technical drawings according to basic standards.
<i>Week 3:</i>	Basics of construction science
<i>Week 4:</i>	Materials which are used in Wood Constructions and their marking.
<i>Week 5:</i>	Elemental constructive joints of wood.
<i>Week 6:</i>	Furniture constructions
<i>Week 7:</i>	Principles of grips.
<i>Week 8:</i>	Special furniture constructions.
<i>Week 9:</i>	Constructions on furniture for putting and testing them.
<i>Week 10:</i>	Working furniture and quality control.
<i>Week 11:</i>	Constructions on kitchen furniture and their testing.
<i>Week 12:</i>	

	Chair constructions and their testing.
Week 13:	Construction of various tables
<i>Week 14:</i>	Furniture constructions for sleeping and testing them.
Week 15:	Final student course check and evaluation.
Academic Policies and Rules of Conduct:	
<i>Regular attendance, keeping calm and active engagement in dialogue during lectures and exercises is mandatory.</i>	