

FURNITURE QUALITY CONTROL

SCHOOL	School of Technology		
DEPARTMENT	Department of Forestry, Wood science and Design		
LEVEL	<i>Undergraduate</i>		
CODE	ΞΞΕ951	STUDENT SEMESTER	9 th
COURSE TITLE	FURNITURE QUALITY CONTROL		
ACTIVITIES		WEEKLY HRS	ECTS
	Lectures and Workshops	2+1	6
TYPE OF COURSE	Scientific area		
PREREQUISITES:	none		
LANGUAGE TEACHING AND EXAMINATION:	Greek or English		
THE COURSE OFFERED TO STUDENTS ERASMUS	Yes		
WEBPAGES COURSE (URL)			

1. LEARNING OUTCOMES

Learning Outcomes
<p>Aim of course is to acquire the students the knowledge and the dexterities so that they can check final products so much as report their dimensions and the service of persons that uses him what from their opinion of resistance to bring the expected charges. Finally, they can check their quality and their resistance in the use with circular methods .</p> <p>With the completion of academic half-year period, the student owes to know:</p> <ul style="list-style-type: none"> • The way of measurement of basic dimensions of chairs (height, width, depth of surface, beneficial depth of surface, height and width of back, bent of surface and back of seat, length, width of also height of useful steering) • The basic anthropometric dimensions that are in effect for seats. • The specifications that should fill the infantile clothes – Childishly types of furniture • The faculty of certification of frames according to his requirements CE • The handling of instruments that needs in order to they make so much static forces what circular test.
General Skills
<ul style="list-style-type: none"> • Search, analysis and composition of data and information with regard to the products and the ways of production of these that are examined . • Growth of criticism thoughts for the discovery and resolution of problems with the use of this materials. • Familiarization with the use of also essential modern requirements • Decision-making • Autonomous Work • Promotion free, creative and inductive thought

2. COURSE CONTENT

In the theoretical part of course the student is taught and learns for:

- The significances of anthropometry as well as the anthropometric elements of individuals of Caucasian of race in which belong and the Greeks.
- Afterwards are taught the beginnings of qualitative control in the furniture but also in wood constructions as frames etc. Report becomes also in his way of application CE marking in the frames. Is transported knowledge with regard to the way of measurement of dimensions as height of seat, height of place of seat beneficial length of seat as well as corner of bent of seat, corner of bent of back , beneficial length of side steering etc. The measurements and controls will also take place in other goods of furnitures as furnitures of cooker, wardrobes, frames etc.
- Particular accent is given in the infantile children's furniture and in the specifications that it should they fill.
- Afterwards they are familiarized with the controls with static force that are applied in the seats, tables and furnitures of cooker while aafterwardthey deal with the circular controls with constant charge or altered.
- Finally becomes familiarization with the specifications that are also used with the writing of programs for the appliances of qualitative control of circular controls.
- In the practical part of the course the student is taught the way with which measure the dimensions in seats with classic and modern bodies of measurements (bodies laser), so in the end of laboratorial exercises they are in position oi students to carry out measurements and to export conclusions with regard to how much these chairs correspond in concrete specifications with base the anthropometric characteristics. Still the students have the possibility of seeing forces on chairs and other furnitures in the machine of trials of laboratory of Qualitative Control so that they shape a the most completed picture for the Qualitative Control of Furnitures.

3. TEACHING AND LEARNING METHODS - EVALUATION

DELIVERY METHOD	Face to face The course is organized in two parallel streams: 1. Lectures, which analyze the concepts and methodologies that form the core of the course material 2. Workshops (studios), where students: get acquainted with methods and tools of creative thinking and analysis, consultation, synthesis of ideas and plans are organized in groups - with emphasis on interdisciplinarity	
USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES	Use of PC , transparencies ppt, projector <ul style="list-style-type: none"> • Interactive board • Laboratorial equipment with the all essential instruments but also samples of composite products. 	
MANAGEMENT OF TEACHING	Activity	Semester Workload
	Lectures	39
	Individual work on issues of quality but also her application in various phases of production.	20
	Educational excursion / Small individual work exaskisis	20

	Individual and work study for term assignment	71
	Course Total	150
STUDENT EVALUATION	Written final examination (100%) that it includes:	

4. RECOMMENDED-BIBLIOGRAPHY

-Προτεινόμενη Βιβλιογραφία :

- Βασιλείου, Β. 2000. Μελέτη σχεδιασμού και οργάνωσης θεωρητικού και εργαστηριακού μέρους του μαθήματος: « Ποιοτικός έλεγχος επίπλων και ξυλοκατασκευών»
- Βουλγαρίδης .Η. 1985. Τυποποίηση προϊόντων ξύλου στην επιπλοποιία . *Furnidex 1985*.Θεσσαλονίκη
- Baums, M., 1997. *Europäische Normen im Bereich Möbel. Holz – Zentralblatt, Nr. 23 :321, 323, 326.*
- Δερβιτσιώτης.Κ.Ν. 1983. Διοίκηση ολικής ποιότητας. Αθήνα
- Eckelman, C., 1988. *Performance testing of furniture. Part II. A multipurpose universal structural performance test method. Forest Products Journal No. 4 : 13-18.*
- FIAA. 2000 *Furnishing Quality program. Standards for Domestic furniture.AFRDI Standard 128 Australia.*
- Γρηγορίου, Α., 1987. Καλή ποιότητα επίπλου προϋποθέτει ποιοτικό έλεγχο. *Επιστημονική Επετηρίδα του Τμήματος Δασολογίας και Φυσικού Περιβάλλοντος. Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης. Τόμος Α', Νο. 9 : 355-378.*
- Γρηγορίου, Α. 2001. Ποιοτικός έλεγχος πρώτων υλών επιπλοποιίας και επίπλων. *Μελέτη για το Τμήμα Σχεδιασμού και Τεχνολογίας Ξύλου και Επίπλου.*
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