

WOOD PACKAGING DESIGN & TECHNOLOGY

1. GENERAL

SCHOOL	School of Technology		
DEPARTMENT	Department of Forestry, Wood science and Design		
LEVEL	Undergraduate		
CODE	ΞΣΕ871	STUDENT SEMESTER	8 th
COURSE TITLE	Wood Packaging Design & Technology		
ACTIVITIES		WEEKLY HRS	ECTS
	Lectures and Workshops	3	5
TYPE OF COURSE	Scientific area		
PREREQUISITES:	none		
LANGUAGE TEACHING AND EXAMINATION:	Greek or English		
THE COURSE OFFERED TO STUDENTS ERASMUS	Yes		
WEBPAGES COURSE (URL)			

2. LEARNING OUTCOMES

Learning Outcomes
<p>Aim of course is the growth technological and scientific background of students in the significances of packing, usefulness, necessity. Materially that is used in the packing. Planning of nias wooden packing, Ways of packing and possibilities that they offer. Results of right Packing.</p> <p>With the completion of academic half-year period, the Student owes to know:</p> <ul style="list-style-type: none"> • Technologies of production of means of packing. • The attributes, the advantages and disadvantages of all different means of packing as well as the possibility epanachrisis or recycling of these . • Specifications that it should covers the packing • Legislation that concerns the means of wooden packing.
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 packing 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

3. COURSE CONTENT

<p>In the theoretical part of the course the student is taught and learns for:</p> <ul style="list-style-type: none"> • Aim of packing. • Forms of packing (direct, indirect and packing of distribution). Problems of planning of packing, Objectives of packing, Information of Packing.
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- Economic nature of packing, the legal frame of packing. packing and the environment, legislative regard with regard to the packing and the environment. Labelling of packing of transport.
- Degradation of materials of packing, Aim and problems of degradation of materials of packing, ways of degradation of wooden packing, Combustion of packing, Recuperation of materials - Recycling, Systems of recuperation
- The timber and the products of wood as materials of packing. Materially in contact with foods and other products. Sanitary burial of packing. Analysis of circle of life. Circular economy and packing. Printing in the surface of wooden packing of packing, Future developments
- Charges that it can bring each good of packing and each material of wood.
- Paletta, box, Dunage. Specifications requirements

4. 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.	15
	Educational excursion / Small individual work exaskisis	15
	Individual and work study for term assignment	56
	Course Total	125
STUDENT EVALUATION	Written final examination (100%) that it includes:	

5. RECOMMENDED-BIBLIOGRAPHY

-Προτεινόμενη Βιβλιογραφία :

- *Marianne R. Klimchuk , Sandra A. Krasovec. 2013. Packaging Design: Successful Product Branding From Concept to Shelf 2nd Edition Wiley; 2 edition (January 14, 2013) ISBN-10: 9781118027066*
- *Steven DuPuis , John Silva . 2011. Package Design Workbook: The Art and Science of Successful Packaging Paperback – June 1, 2011 Rockport Publishers; Reissue edition (June 1, 2011) ISBN-10: 1592537081*
- *Pepin Press . 2010. Advanced Packaging (Structural Package Design) Paperback – May 16, 2010 Pepin Press; Multilingual edition (May 16, 2010) ISBN-10: 9057681447*
- *Muncke J (2011) Endocrine disrupting chemicals and other substances of concern in food contact materials: an updated review of exposure, effect and risk assessment. J Steroid Biochem Mol Biol 127, 118-127.*
 - *Munro C, Hlywka JJ, Kennepohl EM (2002) Risk assessment of packaging materials. Food Addit Contam 19 Suppl, 3-12.*