



Меѓународен Универзитет Визион - International Vision University
Universiteti Ndërkombëtar Vizion - Uluslararası Vizyon Üniversitesi

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DERS İZLENCESİ (SYLLABUS)

COURSE NAME	COURSE CODE	SEMESTER	COURSE LOAD	ECTS
WOODEN CONSTRUCTIONS	3016	3	180	6

Prerequisite(s)	None
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Course Language	Turkish
Course Type	Elective
Course Level	First Cycle
Course Lecturer	
Course Assistants	
Classroom	
Extra Curricular Office Hours and Location	

Course Objectives	Timber has been used as a member of structural system and/or building component during centuries. Today, it is also an important building material, especially by the effect of the importance of sustainable construction design. In this context, it is aimed to define the features of buildings that constructed with timber in context of structural system design, construction methods and detail solutions. Also, it is aimed to give the ability of understanding how timber materials affect the building design to the students and also encourage them to interpret on timber construction design.
Course Learning Outcomes	<ul style="list-style-type: none">• Recognizing the physical, chemical, and mechanical properties of timber material.• Recognizing the industrial timber material and elements.• Examining glued laminated timber technology• Identifying the architectural usage objectives of timber material• Examining the structural systems with timber material• Examining the timber skeleton systems• Examining the timber panel systems
Course Contents	Technical properties of timber Physical, chemical, and mechanical properties of timber material. Identification of timber material as building element. Connecting hardware of timber construction, Connection details in timber construction. Structural systems with timber material Identification of Load bearing, skeleton, and panel structural systems.

WEEKLY SUBJECTS AND RELATED PREPARATION STUDIES

Week	Subjects	Related Preparation
1	Introduction Information about the course and scope of the course.	Related Chapters of Course Sources
2	Technical properties of timber Physical, chemical, and mechanical properties of timber material. Identification of timber material as building element.	Related Chapters of Course Sources
3	Connecting hardware of timber construction, Connection details in timber construction	Related Chapters of Course Sources
4	Structural systems with timber material Identification of Load bearing, skeleton, and panel structural systems.	Related Chapters of Course Sources
5	Buildings with timber skeleton systems and panel systems. Platform system, Modified system, Modular system.	Related Chapters of Course Sources
6	Glued-laminated timber construction and applications.	Related Chapters of Course Sources
7	Mid-term Exam	Related Chapters of Course Sources
8	Timber frame structure and structural elements.	Related Chapters of Course Sources
9	Timber frame structure and structural elements.	Related Chapters of Course Sources
10	Skeleton structural systems with timber material Balloon Frame, Pillar-beam skeleton systems.	Related Chapters of Course Sources
11	Wood-panel construction and applications, The existing laws, regulations and standards about timber construction	Related Chapters of Course Sources
12	Buildings with timber material.	Related Chapters of Course Sources
13	Detail solutions in timber systems	Related Chapters of Course Sources
14	Detail solutions in timber systems	Related Chapters of Course Sources
15	Final Exam	Related Chapters of Course Sources

ECTS / WORKLOAD TABLE

Presentation / Seminar			
Hours for off-the-classroom study (Pre-study, practice)	14	3	42
Midterm Exam	1	12	12
Final examination	1	14	14
Total Work Load			
ECTS	6		

GENERAL PRINCIPLE RELATED WITH COURSE

Dear students,

You need to be included in the flow, please follow the course of learning and using that to achieve our success you deserve, you need to practice every day on topics that are covered by the course. It takes practice reading basic and auxiliary literature that is strictly recommended. You should visit classes course I need to make an effort to visit all the professors' lectures. Your activity on the session will be assessed by your professors and the Battle active participant in the discussions that will take place during the time. Students visiting lectures for all at the end if an additional 15 points.

SOURCES

COMPULSORY LITERATURE		
No	Name of the book	Author's Name, Publishing house, Publication Year
1	“Ahşap Yapım Sistemleri”,	BOSTANCIOĞLU, E., İstanbul, Gamze Yayıncılık Matbaacılık, 2004
2	“Timber Design and Construction Sourcebook”,	GOETZ, K.H., HOOR, D., MOEHLER, K., NATTEREE, J., U.S.A, McGraw-Hill Publishing Company, (1989)
3	Елементи на дрвните конструкции,	Т.Груевски, Н.Симакоски, УКИМ-ШФС-Скопје, 2002

ADDITIONAL LITERATURE		
No	Name of the book	Author's Name, Publishing house, Publication Year
1	“Ahşap ve Çelik Yapı Elemanları” ,	ODABAŞI, Y., (1992), İstanbul, Beta Basım Yayım Dağıtım
2	Design of Wood Structures	Donald E Breyer, P.E., Kelly E Cobeen, Kenneth J Fridley, PH.D., Design of wood structures ASD. A1980
3	Дрвне конструкције I и II	Милан Потребик, Шумарски факултет - Београд, 1985

EVALUATION SYSTEM

Underlying the Assessment Studies	NUMBER	PERCENTAGE OF GRADE
Attendance/Participation	14	% 15
Project / Event	1	% 15
Mid-Term Exam	1	%35
Final Exam	1	%35
TOTAL	14	%100

ETHICAL CODE OF THE UNIVERSITY

In case students are cheating on exams or preparation the same, it is not making reference to the source to be used in studies, as for example in assignments, projects and presentation (plagiarism), in accordance with legislations by Ministry of Education and Science of the Republic of Macedonia and International Vision University, apply relevant disciplinary rules. International Vision University students are expected never attempts in this kind of behavior.