



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

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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	Meeting: Consultancy:

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,

In order to be included, learn and achieve full success that you deserve in the courses you need to come well prepared by reading the basic and secondary textbooks. We are expecting from you carefully to obey to the course hours, not to interrupt the lessons unless is very indispensable, to be an active participant on the courses, easily to communicate with the other professor and classmates, and to be interactive by participating to the class discussions. In case of unethical behavior both in courses or on exams, will be acting in framework of the relevant regulations. The attendance of the students will be checked in the beginning, in the middle or at the end of the lessons. Throughout the semester the students who attend to all lectures will be given 15 activity-attendance points in addition to their exam grades.

SOURCES**COMPULSORY LITERATURE**

No	Name of the book	Author's Name, Publishing House, Publication Year
1	Ahşap Yapım Sistemleri	Bostancıoğlu, E., Gamze Yayıncılık Matbaacılık, İstanbul, 2004
2	Timber Design and Construction Sourcebook	Goetz, K.H., Hoor, D., Moehler, K., Natteree, J., 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	Odabaşı, Y., Beta Basım Yayım Dağıtım, İstanbul, 1992
2	Design of Wood Structures	Donald E Breyer, P.E., Kelly E Cobeen, Kenneth J Fridley, PH.D., 1980
3	Дрвне конструкције I и II	Милан Потребик, Шумарски факултет - Београд, 1985

EVALUATION SYSTEM

Underlying the Assessment Studies	NUMBER	PERCENTAGE OF GRADE
Attendance/Participation	15	%10
Project / Event	1	%20
Mid-Term Exam	1	%35
Final Exam	1	%35
TOTAL	17	%100

ETHICAL CODE OF THE UNIVERSITY

In case of the students are cheating or attempt to cheat on exams, and in the case of not to reference the sources used in seminar studies, assignments, projects and presentations, in accordance to the legislations of the Ministry of Education and Science of Republic of Macedonia and International Vision University, will be applied the relevant disciplinary rules. International Vision University students are expected never to attempt to this kind of behavior.