

Course/Subject/Unit Description

1. General Information			
School		School of Design Studies	
Department		INTERIOR ARCHITECTURE	
STUDY LEVEL		Undergraduate	
CODE OF SUBJECT	EA206	SEMESTER	2
SUBJECT TITLE		Structural Art II	
Teaching Content	Weekly (Hrs) 3	Credits 3	
Lectures, Essays, Design Workshops/Exercises, Design Project – Portfolio of work.			
Type of Subject		Obligatory	
PREREQUIRED COURSES		No	
Teaching and Exams Language		Greek - English	
THE COURSE IS OFFERED TO ERASMUS STUDENTS		Yes (in English)	
Course website (URL)			

2. Aims and Objectives – Methods – Skills
a. Learning Outcomes
<p>An introductory course which allows students to tackle an application design study of an interior design-built project. Deal with Specifications of materials, surfaces and systems, regulations and specifications of safety and sustainability of options (cost, time, climate)</p> <p>Providing the necessary knowledge of building construction infrastructure, with which the Interior Architect will implement any design.</p>
b. Skills
<ul style="list-style-type: none"> • Research, analysis and synthesis of data and information • Use of building construction techniques • Adaptation to new situations. • Decision making • Combined options • Respect for the natural environment

3. Subject Context
<p>The course is organized around the interrelation between theory and design application. In the theoretical part, a series of lectures is given by the teachers of the course using visual material, where the presented topics are analyzed and discussed with the active participation of the students. Topics include presentations of building and construction details, structural specifications, planning and construction processes, construction elements and fundamentals such as the construction of roofs, floors, stairs and ramps, openings, frames and glazing, masonry and load-bearing elements.</p>

Students prepare design (workshop) exercises (structural details at 1:5, 1:10 scale of interior – exterior walls, wall and façade cladding, structural frames, trusses & roof coverings, floors, false ceilings and staircase designs. Students also work on a complete architectural model study [project], individually. These are discussed analyzed and reviewed weekly while communicated by students through drawing presentations of their work in class periodically. (Interim reviews). Finally, they present all prepared work as a form of portfolio of Work final hand in.

4. Teaching and learning methods – Evaluation and assessment

<ul style="list-style-type: none"> - Theory and Design Workshops – Main Project Brief/ Site visits - Group Appraisal /Site Analysis - Theory Essay and Design Exercises - Interim Reviews - Project Final Pin Up - Portfolio Hand In. 	Theoretical presentations in Class and Visiting Lectures, workshop exercises and the detailed design development phases of the project (project) and structural exercises, with a critical attitude of the public (fellow students / teachers) in the classroom, possibility of improvements.	
Use of Information and Communication Technologies	Weblinks, e-learning uploading of notes, communication via email, zoom meetings, etc.	
Teaching organization	Activity	Semester Credits
	Lectures	20
	Design Workshop and Exercises	25
	Main Design Project	30
	Total	75
<i>Student assessment</i>	Written Theory Exams Project Model making (Microliving – Structural Volumes & Light) Structural Detail Design Exercises Portfolio Hand in	

5. Recommended Bibliography

- Neufert, Architects Data, , John Wiley and Sons Ltd, Fifth Edition, 2019
- Architecture, Form, Space and Order, Francis D.K. Ching, 1996
- Mitchell's, Structure and Fabric, J S Foster, Part 1, 7th Edition, Routledge, 2007
- Mitchell's, Structure and Fabric, J S Foster, Part 2, 7th Edition, Routledge, 2007
- Architecture, Form, Space and Order, Francis D.K. Ching, 1996
- Horst Berger, Light Structures, The Art and Engineering of Structures of light tensile Architecture
- Newman M, Standard structural details for building construction