



Course Syllabus

Course Code	Course Title	ECTS Credits
INT-222	Structures and Constructions for Interiors	6
Prerequisites	Department	Semester
INT-112	Architecture	Spring
Type of Course	Field	Language of Instruction
Required	Interior Design	English
Level of Course	Lecturer(s)	Year of Study
1 st Cycle	Vasilis Christodoulou	1 st
Mode of Delivery	Work Placement	Co-requisites
Face-to-face	N/A	INT-202, INT-212

Course Objectives:

The main objectives of the course are to:

1. Introduce to the structural physical quantities of construction materials and their applications
2. Introduce students to the physical laws of building constructions and their specificities
3. Introduce students to the procedures involved in building technology and choose construction methods for small scale structures in interior spaces
4. Facilitate the connection of any design concept and its transformation into a structural system

Learning Outcomes:

After completion of the course students are expected to be able to:

1. Define the structural physical quantities of construction materials and their applications.
2. Identify the specificities of building constructions
3. Define the appropriate construction methods for small scale structures in interior spaces
4. Illustrate competence in translating design concepts into structures

Course Content:

Primary classifications and structural elements Basic Principles Primary classifications Primary structural elements /Construction techniques Loadbearing Walls Masonry Creating Openings In Loadbearing Walls Non-Loadbearing Walls Construction Drawings Stairs and Ramps Fireplaces
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Learning Activities and Teaching Methods:

Studio class with lectures, projection of visual material, guest lecturers, assignments (projects), individual instruction, and students work presentation and group discussions/ Workshops on preparing a physical model under a representative scale of a variety of structural principle elements.

Assessment Methods:

Classroom participation is assessed, as well as projects, assignments, reports, midterm and final exams.
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Required Textbooks / Readings:

Title	Authors	Publisher	Year	ISBN
Construction and Detailing for Interior Design	Drew Plunket	Laurence King	2010	9781856696890
Interior Constructions Manual	Hausladen Tichelmann	Birkhauser	2010	9783034602846
Designing Interior Architecture	Leydecker Sylvia	Birkhauser	2013	9783034613026

Recommended Textbooks / Readings:

Title	Authors	Publisher	Year	ISBN
Designing Interior Architecture : Concept, Typology, Material, Construction	Leydecker, Sylvia Walter de Gruyter	Birkhauser	2013	9783034606806
Support I Materialise : Columns, Walls, Floors	Baurmann, Henning; Dilling, Jan	Birkhauser	2013	9783034600408