



Course Syllabus

Course Code	Course Title	ECTS Credits
INT-222	Structures and Construction 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	Kika Ioannou Kazamia	1 st
Mode of Delivery	Work Placement	Co-requisites
Face-to-face	N/A	INT-202

Course Objectives:

The main objectives of the course are to:

- Definition of the structural physical quantities of Forces and Moments and their applications
- Understand the physical laws of building construction
- Design models in order to satisfy equilibrium requirements under the action of the weight force,
- Understanding of the structural principles of strength and stability
- Understand procedures involved in translating design concepts into the building technology and construction
- Understanding of the connection of any design concept and its relation to a structural system

Learning Outcomes:

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

- Identify the structural principles of strength and stability
- Define the structural & physical quantities of Forces and Moments and their applications
- Design models in order to satisfy equilibrium requirements under the action of the weight force
- Demonstrate application of construction knowledge to a design concept

Course Content:

Primary classifications
 Primary structural elements
 Primary structural units
 Fundamental Structural Phenomena, Structural Stability
 (Tension, Compression, Bending, Torsion, Bearing)

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.

Required Textbooks / Readings:

Title	Authors	Publisher	Year	ISBN
Structures, 6/E	Daniel Lewis Schodek, Martin Bechthold	Prentice Hall	2008	ISBN-10: 0131789392 ISBN-13: 9780131789395
Structures or Why things don't fall down	J.E.Gordon	Penguin Science		978-0-14-013628-9

Recommended Textbooks / Readings:

Title	Authors	Publisher	Year	ISBN
Elementary Structures for Architects and Builders, 4/E	Ronald E. Shaeffer	Prentice Hall	2008	ISBN-10: 0130928771 ISBN-13: 9780130928771

Understanding Structures	Fuller Moore	McGraw-Hill Science/Engineering/Math	July 1998	0070432538
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