



Course Code	Course Title	Credits (ECTS)
INT 222	Structures & Construction for Interiors	6
Department	Semester	Prerequisites
Architecture	Spring	INT 112
Type of Course	Field	Language of Instruction
Major Requirement	Interior Design	English
Level of Course	Year of Study	Lecturer
1 st Cycle	2nd	Tonia Sophocleous-Lemonari
Mode of Delivery	Work Placement	Co-requisites
Face-to-face	N/A	None

Objectives of the Course:

- 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 Contents:

Primary classifications
Primary structural elements
Primary structural units

Fundamental Structural Phenomena, Structural Stability
(Tension, Compression, Bending, Torsion, Bearing)

Learning Activities & Teaching Methods:

Lectures, Homework evaluation, Hands-on experiments in class
Workshops on preparing a physical model under a representative scale of a variety of structural principle elements, Crits

Assessment Methods:

Participation, Homework answering, Model testing, Take part in the Busting day contest, Final model presentation

Required Textbooks:

Authors	Title	Publisher	Year	ISBN
Daniel Lewis Schodek, Martin Bechthold,	Structures, 6/E	Prentice Hall	2008	ISBN-10: 0131789392 ISBN-13: 978013178939 5
J.E.Gordon	Structures or Why things don't fall down	Penguin Science		978-0-14- 013628-9

Recommended Textbooks/Reading:

Authors	Title	Publisher	Year	ISBN
Ronald E. Shaeffer	Elementary Structures for Architects and Builders, 4/E	Prentice Hall	2008	ISBN-10: 0130928771 ISBN-13: 978013092877 1
Fuller Moore	Understanding Structures	McGraw-Hill Science/Engi neering/Mat h	July 1998	0070432538