

Course Name: Building Structures					
Module 16					
Degree Program(s)	B.Sc. in Architecture				
academic year	2012/13				
Course Numbers	ARCH2162				
Course Title	Theory and Design of Structures IV				
Pre-requisites	ARCH 2161				
Status of Course	Compulsory				
Semester	4				
EtCTS Credits	5				
Working Hours (per week)	Lectures	Tutorials & Seminars	Laboratory & Workshop Practice	Home Study	Total Working Hours
	2	2	3	1	5
Attendance Requirements	85%				
Teaching & Learning Methods	Lectures, Tutorials, Assignments, Design Project, Excursions				
Course Objectives & Competences to be Acquired	This course gives an overview on specialized structural systems as engineering architecture. - providing the student with a knowledge on specialized structural systems such as light weight structures, space trusses, shells and bridges - enhancing the understanding by practical model building and excursions				
Course Contents	- Introduction to foundation systems - space frames				

	- tensile structures - shells and domes - bridge structures - stadium roofs - engineering expressions in architecture
Basic teaching materials and references	G.G. Schierle, Architectural Structures; Angus J. Macdonald, Structure and Architecture
Assessment/Evaluation & Grading System	50 % assignments, quizzes, excursions, design tasks 50 % written examination