



## Course Syllabus

<b>Course Code</b>	<b>Course Title</b>	<b>ECTS Credits</b>
ARCH-331	Construction Workshop	12
<b>Prerequisites</b>	<b>Department</b>	<b>Semester</b>
ARCH-112	Architecture	Fall
<b>Type of Course</b>	<b>Field</b>	<b>Language of Instruction</b>
Major Requirement	Architecture	English
<b>Level of Course</b>	<b>Lecturer(s)</b>	<b>Year of Study</b>
1 <sup>st</sup> Cycle	Adonis Cleanthous	3 <sup>rd</sup>
<b>Mode of Delivery</b>	<b>Work Placement</b>	<b>Corequisites</b>
Face-to-Face	N/A	-

### Course Objectives:

The main objectives of the course are to:

- Introduce students to issues of materiality
- Introduce concepts of testing design through sample fabrication.
- Develop students awareness on issues of sustainable design, and means of 'economy'
- Introduce the concepts and techniques of design as a process of 'making' and 'hands-on' experiment.
- Develop students' appreciation of architecture as a profession that ultimately implements ideas into material form

### Learning Outcomes:

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

1. Analyze the required performance criteria intelligently
2. Command competence in constructing.
3. Think creatively on the employment of materials
4. Work in groups
5. Invent and patent
6. Utilize hand and power-tools
7. Test ideas in life-size samples

**Course Content:**

1. Identifying the performance criteria
2. Utilizing the one-to-one scale
3. Materiality
4. Invention/Patenting
5. Casting fabrication
6. Wood formwork
7. Sample testing
8. Cost estimates
9. Manufacturability
10. Sustainable design and production

**Learning Activities and Teaching Methods:**

Workshop presentations, Workshop tutorials, Practical construction.

**Assessment Methods:**

Concept development/sketchbook  
 Mid-Term work-in progress  
 Final project

**Required Textbooks / Readings:**

Title	Author(s)	Publisher	Year	ISBN
The Fabric Formwork Book: Methods for Building New Architectural and Structural Forms in Concrete	Mark West	Routledge 1st Edition	2016	ISBN-13: 978-0415748865
Constructing Architecture: Materials, Processes, Structures	Deplazes Andrea	Birkhauser Revised Edition	2018	ISBN-13: 978-3035616699