

Degree course. Architettura LM4
Course code 1001620
Lecturer. Giuseppe Arcidiacono
Course name Arch.Composition1A-B
(in the Laboratory of Arch.Comp.1)
Disciplinary area B
Disciplinary field of science Icar14
University credits – ECTS 6
Teaching hours 60 courseA - 60
courseB
Course year 1°-first
Semester 2°A-B

Synthetic description and specific course objectives

The teaching is in Italian and describes architecture as a logical-constructive process.
Educational objectives: to tackle the main disciplinary concepts inherent in the design of a building in an elementary way, through exercises in the composition and decomposition of architecture –
Specific educational objectives: understanding and designing a small architectural organism - elaborating the architectural plan as a rational synthesis of constructive analytical paths.

Course entry requirements

Basic skills: History of contemporary architecture (first semester of the Laboratory of architectural composition 1 – prof. Manfredi – ects 6)

Course programme

Design of an isolated single-family house: the metric scales of representation and control of the project - the anthropometric measurements of the architecture - the constructive and distributive principles of the project - reference building models and types - construction techniques and formal outcomes.

Expected results

Knowledge and understanding: understanding main principles and problems of architectural design.

Applying knowledge and understanding: focusing on coordinating aesthetic aspects, constructive exigencies, economic aspects of architectural plan.

Making judgements: the student must be able to develop critical thinking through analytical work and be able to formulate their own assessments.

Communication skills: the students must be able to present their design choices correctly and efficiently, demonstrating the theoretical system, the scientific process, and the feasibility of construction of architectural plan.

Learning skills: the student must be able to continue the study independently and be able to update on the contents covered

Course structure and teaching

Lectures *hours/year in lecture-hall 10* - Practical class *hours/year in lecture-hall 50*
(for each of the A and B courses)

Student's independent work

30 hours for study on bibliography, 30 hours for exam preparation, 30 hours for participation in seminars -
(for each of the A and B courses)

Testing and exams

The course allows the formation of working groups of up to 2 students.

The course is divided into three phases:

Phase 1 - lessons and exercises in the classroom for the definition of the architectural project on a scale of 1: 1000 and 1: 200

Phase 2 - plans, sections and elevations of the building scale 1: 100

Phase 3 - construction details, perspectives and perspective sections.

Registration is valid if the student provides its frequency to the Course (70%) and has carried out the works required in stages. In this way the student can obtain a certificate of attendance which allows to carry out

the examination. The exam is individual: evaluation of practical learning – presentation and explanation of architectural plan .

Suggested reading materials

Francesco Cellini, *Manualetto*, Cluva-Cittastudi, Venezia-Milano 1991.