



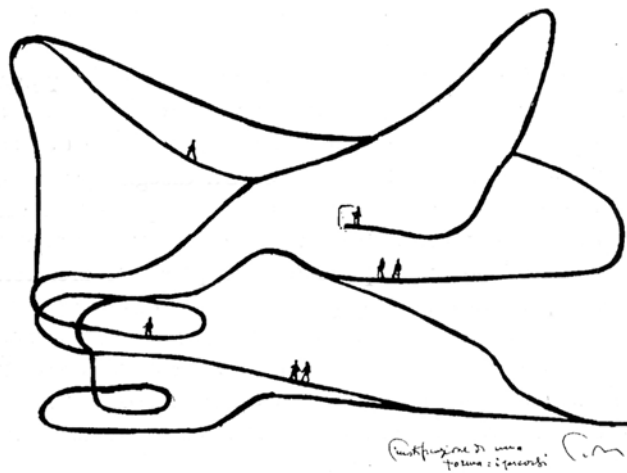
UNIVERSITÀ DEGLI STUDI "MEDITERRANEA"
DI REGGIO CALABRIA

DEGREE COURSE SCIENZE DELL'ARCHITETTURA (L-17)
DEPARTMENT PAU
Academic Year 2018-19

Architecture Laboratory
ARCHITECTURAL DRAWING
(4 C.F.U.)

arch. Domenico Mediati

TEACHING PROGRAM



Giovanni Michelucci. Chiesa dell'Autostrada a Firenze, 1960.

Università degli Studi "Mediterranea" di Reggio Calabria
Degree Course Scienze dell'Architettura (L-17)
Department PAU
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Teaching Code: 1000322
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Educational targets

Acquisition of skills for critical reading and understanding of architectural artefacts. Deepening of architectural drawing as a tool for creative elaboration and design verification. Knowledge and refinement of the graphic techniques for representation and communication of the project.

Prerequisites

Knowledge of the Foundations of Representation and Applications of Descriptive Geometry. Attitude to freehand drawing. Knowledge of at least one CAD software for 2D and 3D drawing and modeling. Knowledge of at least one software for processing raster images.

Teaching program

The course offers theoretical and technical notions for the representation and communication of the architectural design.

We will deepen the techniques of freehand drawing, as a tool for operational verification and semantic representation of the project idea.

We will also focus on the study of geometric matrices and the regulatory layouts underlying the architectural forms, essential guides for the design of the project.

On the theoretical level, we will propose a brief historical overview about evolution of methods of representation over the course of centuries, highlighting how instruments, techniques and methods of representation are connected with the historical, social and cultural changes of all time. Particular attention will be paid to the influence of modern digital representation technologies on the forms of contemporary architecture.

Expected results

Knowledge and refinement of graphic techniques for freehand drawing and architectural drawing. Deepening of historical changes in the methods of representation. Acquisition of skills in the use of drawing methods according to the design aims.

How to proceed

The course includes theoretical lessons, laboratory exercises and study seminars according to a schedule divided into two distinct sections.

The first part of the course will be directed to acquire technical notions for the architecture representation, both freehand and with advanced digital instruments.

The second part of the course will be devoted to a deepening of the semantic potential of representation and of the changes that modern digital tools have given to architectural drawing and design processes.

Evaluation method

The exam will take place through a verification of the training course and the experiences conducted by the student. The exercises will be elaborated according to the thematic lines indicated by the teaching staff and will be coordinated with the other disciplines of the Architecture Laboratory.

Periodically we will carry out some checks of the drawings in order to ascertain the correctness of the method and the congruity of the results.

Recommended text

Sergio Bracco, *Disegno com.e. A mano libera con un occhio al computer*, Testo & Immagine, Torino 2001.

Francesco Cardullo, *Gli schizzi di studio*, Officina Edizioni, Roma 1996.

Giuseppe Di Napoli, *Disegnare e conoscere. La mano, l'occhio, il segno*, Piccola Biblioteca Einaudi, Torino 2004.

Agostino De Rosa, *La geometria nell'immagine. Storia dei metodi di rappresentazione vol.1. Dall'antichità al Medio Evo*, UTET, Torino 2000.

Mario Docci, Riccardo Migliari, *Scienza della rappresentazione. Fondamenti e applicazioni della geometria descrittiva*, Carocci editore, Roma, 1999.

Andrea Giordano, *La geometria nell'immagine. Storia dei metodi di rappresentazione vol.3. Dal secolo dei lumi all'epoca attuale*, UTET, Torino 2001.

Domenico Mediatì, *L'occhio sul Mondo. Per una semiotica del punto di vista*, Rubbettino, Soveria Mannelli, 2008.

Anna Sgrosso, *La geometria nell'immagine. Storia dei metodi di rappresentazione vol.2. Rinascimento e Barocco*, UTET, Torino 2001.

Anna Sgrosso, *La rappresentazione geometrica dell'architettura. Applicazioni di geometria descrittiva*, UTET, Torino, 2000.

Antonio Quistelli, *La matita sottile*, Gangemi, Roma 1994.

Ornella Zerlenga, *Note sulla rappresentazione geometrica dello spazio architettonico. Assonometria e prospettiva*, CUEN, Napoli, 1996.