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| Degree course | Architettura quinquennale – Classe LM-4 |
| Course code | SAR55 |
| Lecturer | Agostino Urso |
| Course name | Multimedia presentation Architecture |
| Disciplinary area | D |
| Disciplinary field of science | ICAR/17 |
| University credits – ECTS | 6 |
| Teaching hours | 60 |
| Course year | 4th |
| Semester | 1° |

## Synthetic description and specific course objectives

The discipline, to all intents and purposes a laboratory, aims to explore the world of design / performance / architectural communication through reflections on the issues of digital culture. The common thread that binds the educational subject to his performance in the classroom, concerns the idea of combining rigorous academic tradition of Discipline with the large series given by the World Wide Web, often original and innovative in terms of communication.
The theme of the course relating to the design / creation of a "Hyperbook" understood as a virtual architecture through which to tell, with an elaborate multimedia, the experiences on architectural culture closely examined in the classroom.

## Course entry requirements

In order to successfully attend the course it is required a deep knowledge of the Modelling (surface and solid) 2D and 3D. It is also required to have basic skills in the field of digital models rendering.

## Course programme

The theme of the course is concerned with the design of virtual environments "closed" (for WEB) related to the creation and divulgation of Hyperbooks.
The course is divided into two basic steps in turn divided into two different stages (knowledge and application):
- The first stage involves the presentation of the content and purpose of the course. The second stage will be the start-up phase of design analysis (through the application of graphics software) that foresee the alternation of laboratory and theoretical/practical lessons aimed to the presentation of his research subjects able to describe the fundamental disciplinary questions that will define the assigned topics;
- The second phase involves the definition and execution of the project (through laboratory activities) and the organization of meetings and seminars that will aim to verify the analysis carried out and improve the knowledge of individual students .

## Expected results

Through the identification and elaboration of issues related to the purposes of the course, each student will be able to verify his ability to analyze the topics of study (creation of metaphorisation of the architectural space) and the complementary skill in handling the design software necessary to execution of the assigned work (design capacity of virtual spaces through the application of the elements of projective geometry and topology).
The analysis on the selected project will focus on the use of appropriate software qualified to represent formal, expressive and cultural nature of the investigated object. Then, systems of representation will be studied and understood. They will produce digital representations related to the concepts of model, rendering and animation, starting from "classical" elaboration (plans, elevations, sections, axonometrics and perspectives).

## Course structure and teaching

Lectures *(hours/year in lecture theatre): 40*
Practical class *(hours/year in lecture theatre): 10*
Practical / Workshops *(hours/year in lecture theatre):10*

## Student's independent work

The independent work of the student is twofold. On one hand it depends on the acquisition of operational skills associated with the abilities necessary to execute the assigned work. On the other hand, it is connected to the improvement of the conceptual issues related on virtual and real architecture.

## Testing and exams

The intermediate steps of testing will be obtained through a series of individual interviews in the classroom, carried out at the middle of the course. As a final test, there will be a workshop at the end of the course.

## Suggested reading materials

- Luigi Prestinenza Puglisi, *Hyperarchitettura. Spazi nell'età dell'elettronica*, Universale di Architettura, 1996, Torino
- Bruno Giorgini, *Spazio*, CLUEB, 2000, Bologna
- Christian Pongratz, Maria Rita Perbellini, *Nati con il computer. Giovani architetti americani,* Universale di Architettura, 2000, Torino
- Alicia Imperiale, *Nuove bidimensionalità. Tensioni superficiali dell'architettura digitale*, Universale di Architettura, 2001, Torino
- Michele Emmer, *Matland. Dal mondo piatto alle ipersuperfici,* Universale di Architettura, 2003, Torino