COURSE DESCRIPTION
ARCHITECTURAL DRAWING

SSD: DISEGNO (ICAR/17)

DEGREE PROGRAMME: ARCHITETTURA (N14)
ACADEMIC YEAR 2022/2023

COURSE DESCRIPTION

TEACHER: DURSI ATTILIO
PHONE:
EMAIL: attilio.dursi@unina.it

GENERAL INFORMATION ABOUT THE COURSE

INTEGRATED COURSE: NOT APPLICABLE
MODULE: NOT APPLICABLE
CHANNEL:
YEAR OF THE DEGREE PROGRAMME: I
PERIOD IN WHICH THE COURSE IS DELIVERED: SEMESTER I
CFU: 9

REQUIRED PRELIMINARY COURSES
No propaedeutic teaching is provided.

PREREQUISITES
There are no prerequisites.

LEARNING GOALS
The Architecture Drawing course aims to introduce the reading and graphic representation of architectural space in its synchronic and diachronic articulation with respect to the architectural tradition as it has developed over time up to the contemporary design culture. The teaching aims to provide students with the basic notions of Architecture Drawing so that they can responsibly control subsequent in-depth studies.

EXPECTED LEARNING OUTCOMES (DUBLIN DESCRIPTORS)
Knowledge and understanding

The Drawing of Architecture, articulated in freehand sketches, technical drawing and infographic drawing, configures the architect's own language. The graphic experimentation addressed during the course aims to gradually enrich the student's expressive abilities and at the same time to introduce him/her to the comprehension of spaces, to the evaluation of form, to the verification of construction practices, to the appropriation of signs and codes related to the various themes and scales of representation, in view of the final objective of the elaboration of the project.

The student must demonstrate to govern the process of exploring architecture at the various scales by means of Drawing, in its twofold meaning of instrument of critical reading and of graphic and infographic language applied to the knowledge of Architecture and to the design process, from the formation of the idea and its mental prefiguration up to its graphic restitution, through the scientific methods of the Science of representation.

Applying knowledge and understanding

Ability to apply knowledge and understanding

The student develops the ability to read and elaborate architectural drawings and to know and master the various techniques of representation of architecture, the city and the environment, in the various articulations and at the various scales. These skills, which will be applied and articulated within the Architectural Design course and the Design, Construction, Urban Planning and Restoration workshops, will also be expressed by the student in innovative ways.

Autonomy of judgement:

The student must demonstrate control over the process of representation of both architecture and the city and environment, through critical awareness in the evaluation and presentation of expected results and the ability to autonomously express new forms of graphic expression and representation of acquired knowledge.

Communication skills:

The student must be able to argue in a clear and mature manner the knowledge acquired, be able to present in comprehensible language and respectful of technical terminologies the results achieved both during the course and at the final examination. He/she must demonstrate that he/she has learnt with awareness of the founding principles of the discipline and of the scientific methods with respect to which he/she is called upon to provide evidence, by means of oral discussion and presentation of the papers provided, of the acquisition and control of the methods studied.

Learning capacity:

The student must make manifest his or her ability to autonomously elaborate the systematic study of the topics covered, demonstrating the ability to critically consult bibliographic sources, documents, texts and scientific articles that will allow him or her to thesisise a progressive autonomy of judgement also within experiences gained in seminars, conferences and collective debates.

COURSE CONTENT/SYLLABUS

The main objective of the course content is the acquisition of the ability to imagine and control forms in space. In this first phase, freehand drawing and classical drawing tools will be used,

following a study path that starts from the architectural orders and arrives at the themes of modern and contemporary architecture, dealing specifically with the following topics Interpretation and transcription of architecture. Projections: the plan, the elevation and the section (2 CFU) - Origins and codification of architectural drawing (2 CFU) - The Renaissance and the invention of perspective (2 CFU) - Geometric generative matrices of the project, relationships and proportions (2 CFU) - Three-dimensional reading and interpretation of architectural space through perspective and axonometry (1 CFU).

READINGS/BIBLIOGRAPHY

La bibliografia essenziale e di riferimento contenuta nel programma del corso (testi principale e testi consigliati)è riportata di seguito; essa viene integrata durante gli sviluppi del corso da materiali di supporto scaricabili dal sito web istituzionale della docente e raccolti nella cartella Materiale didattico. - Edwin Abbott, Flatlandia. Racconto fantastico a più dimensioni, Adelphi Edizioni, Milano 1966. -Giacopo Barozzi da Vignola, *Regoa delli cinque ordini d'architettura. Ristampa anastatica dell'edizione del 1607, Arnaldo Forni Editore, Bologna 1988* -Giuseppe A. Boidi-Trotti*, I cinque ordini del Vignola ossia Manuale di Disegno Architettonico,* Torino 1876. - Charles Bouleau, *La geometria segreta dei pittori*, Electa, Milano 1988. Manlio Brusatin, Storia delle linee, Einaudi, Torino 1993. - Filippo Camerota, La prospettiva del Rinascimento. Arte, architettura, scienza, Mondadori Electa 2006. - Teresa Della Corte, *Declinazioni della trasparenza in architettura. Una indagine sulla complessità attraverso la differenza/Declinations of transparency in architecture. A surveyaboutcomplexitythrough the difference*, Officina Edizioni, Roma 2020. - Giuseppe Di Napoli, Disegnare e conoscere. La mano, l'occhio, il segno, Einaudi, Torino 2004. -Mario Docci, *Manuale di Disegno architettonico*, Editori Laterza, Roma-Bari 1987. - Kimberly Elam, *Geometry of Design, studies in Proportion and composition*, Princeton architectural Press, New York 2001. -Riccardo Florio, *Origini evoluzioni e permanenze della classicità in architettura, Un'esperienza di conoscenza disegno e rappresentazione dell'architettura,* Officina Edizioni, Seconda edizione, Roma 2004. Seconda edizione 2018. - Riccardo Florio, Teresa Della Corte, *La Rappresentazione dello spazio domestico 1, Dieci interpretazioni dell'abitazione contemporanea,* Officina Edizioni, Roma 2008. -Riccardo Migliari, *Il disegno degli ordini e il rilievo dell'architettura classica: Cinque Pezzi Facili*, in <<disegnare idee immagini>>, anno II, n. 2, giugno 1991. - Antonio Monestiroli, La metopa e il triglifo. Nove lezioni di architettura, Editori Laterza, Bari 2002. - Franco Purini, Una lezione sul Disegno, Gangemi Editore, Roma 2007. -Ludovico Quaroni*, Progettare un edificio. Otto lezioni di architettura,* Mazzotta, Milano 1977*. -*Mario Sironi, *Il mito dell'architettura*, Mazzotta, Milano 1990. - John Summerson, Il linguaggio classico dell'architettura. Dal Rinascimento ai maestri contemporanei, Einaudi, Torino 2000. -ChristofThoenes, *Sostegno e adornamento. Saggi sull'architettura del Rinascimento: disegni, ordini, magnificenza*, Electa, Milano 1998. -Vitruvio, *De Architectura*, a cura di Pierre Gros, Einaudi, Torino 1997 (in particolare il *Libro Primo*). -Wim Wenders, *L'atto di Vedere. The act of Seeing*, Ubulibri, Milano 1992. In addition to the essential and reference bibliography contained in the course syllabus, teaching materials are made available to students on the lecturers' website in the Teaching Materials section. The main reference and recommended texts are as follows:

TEACHING METHODS OF THE COURSE (OR MODULE)

The teaching organisation makes use of theoretical lectures (approx. 50 % of the total hours) and application activities for drawing (approx. 30 % of the total hours) preceded by a manual drawing phase in the classroom (approx. 20 % of the total hours) from which the experiential route starts.

EXAMINATION/EVALUATION CRITERIA

a) Exam type

☐ Written

☑ Oral

☐ Project discussion

☑ Other : discussion of representative papers

In case of a written exam, questions refer to

☐ Multiple choice answers

☐ Open answers

☐ Numerical exercises

b) Evaluation pattern

a) Examination methods: The outcomes of the learning experience will be assessed with reference to the acquisition of knowledge on the topics covered in the course and based on the skills assimilated and demonstrated in interpreting and representing architecture.