

SCHOOL	Scenography
ACADEMIC YEAR	THREE-YEAR PROGRAM II - 2025/2026
SUBJECT	1602 Fondamenti di disegno informatico (autocad)
TYPE OF SUBJECT	Laboratory-Based
NUMBER OF HOURS PER LESSON	4
NUMBER OF ECTS CREDITS	4
DISTRIBUTION OVER THE ACADEMIC YEAR	II SEMESTER

EDUCATIONAL OBJECTIVES AND EXPECTED RESULTS

The course aims to train students in the use of AutoCAD, a specialized software for designing stage systems within traditional theater spaces. The objective of the course is to enhance students' knowledge in order to refine and optimize a working method that is useful in the relevant professional field. During the semester, students will apply the skills acquired in the first-year course to develop a project, while also exploring more specific functionalities through the analysis and in-depth study of case studies. The goal is to achieve a level of proficiency with the software that allows students to share graphic information effectively in a professional environment.

Knowledge and understanding	At the end of the course, students will have developed an understanding of technical drawing in AutoCAD as an essential tool for designing stage sets and for communicating ideas to artistic collaborators and technical departments.
Applying knowledge and understanding	Students are expected to acquire skills in using AutoCAD in order to understand its fundamental aspects and develop their own communicative and graphic system — for example, through the use of title blocks, pens, dimension styles, and more.
Making judgements	Students are expected to be able to understand the features that make an AutoCAD drawing effective, both in terms of aesthetics and communicative potential (clarity for external viewers and the ability to convey essential information for design purposes).
Communication skills	Students are expected to acquire technical skills in the use of AutoCAD, enabling them to adopt a professional approach to the software (e.g., use of layers, paper space, properties, styles, etc.).
Learning skills	Students are expected to have developed independent learning skills and research methods that enable them to approach the software creatively, discovering its potential as a tool for designing stage set concepts.

<p>CONTENTS</p>	<p>FILE OPENING: Where CAD files of a theater or stage space have been sourced. The issues and differences between files. The need to conduct a site survey and how to carry it out most effectively. FILE READING: Identifying the obvious constraints of the theater in which we are working (proscenium, entrances, loading/unloading areas, rigging, flies, etc.). Analysis of the plan and section and the relationship between the two. ANALYSIS OF A FLY SYSTEM: What a fly system is and how it is composed, including the various types found in theaters. Analysis of a fly system based on a hand survey. Reproducing in CAD a fly system manually measured. Analysis of openings and spacing. Examination of different fly systems depending on the theater. SURVEY AND EXECUTIVE DEVELOPMENT: Following a field trip, surveying dressed flats and/or a platform and creating a CAD drawing of the corresponding executive plan. MAIN FUNCTIONS: Use of layers; distinction between model space and paper space; use of pens and property parameters; dimension styles; Excel-CAD relationship; exporting in various formats (PDF, DXF, packages); print settings.</p>
<p>ADOPTED METHODOLOGY</p>	<p>[X] In Person The course is conducted primarily through a workshop-based approach. At the beginning of each lesson, objectives and tools will be assigned to complete exercises aimed at achieving the course's learning goals. During the lesson, when necessary, more traditional lectures will be provided, though always within a workshop framework. Active participation by each student and by the group as a whole will consistently be the preferred method for progressing together toward the objectives. If needed, the Classroom platform will be used to share supplementary materials useful for gaining a deeper understanding of the topics covered in the course. A field trip to one or more theaters is also planned to explore certain theoretical aspects within the concrete setting of a stage. The trip will also serve as an opportunity to develop observational skills and attention in conducting surveys and site inspections.</p>
<p>ASSESSMENT METHODS</p>	<p>REVISIONS The achievement of the course objectives will be partly assessed during the lessons: exercises and assignments given from one lesson to the next will be the first element of evaluation. In this, students' ability to collaborate and share knowledge will play a fundamental role. EXAM The exam will consist of three parts. A short multiple-choice test will verify the theoretical knowledge acquired regarding the use of the software. All projects/drawings assigned throughout the lessons will then be evaluated. A final assignment will also be assessed, summarizing the various theoretical and practical elements of the course in a graphic work. This assignment will be given during the last lessons. PRINTS In the final exam, students will be required to present printed drawings in scale. The evaluation will be expressed in thirtieths (out of 30).</p>