COURSE DETAIL

FOUNDRY TECHNIQUES (L)
Country Italy
Host Institution Accademia di Belle Arti
Program(s) University of Bologna
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Art Studio
UCEAP Course Number 142
UCEAP Course Suffix A
UCEAP Official Title FOUNDRY TECHNIQUES (L)
UCEAP Transcript Title FOUNDRY TECHNIQUES
UCEAP Quarter Units 6.00
UCEAP Semester Units

4.00

Course Description

This is an advanced level art studio course for students with prior experience. Course contents: Using and knowing tools, materials, and techniques; function and possibility to use of the following materials: plaster and scagliola, modeling clay, gelatin, synthetic silicone rubbers, waxes, foundry sands, nails or pins, metal rods, irons, burners, etc.; function, knowledge, and application of various molding techniques: piece molds, gelatin molds, synthetic rubber molds, lost molds, etc.; reproducing wax models, retouching, arranging channels (pouring and vents), creation of molds with refractory earth mixtures (core and external shells), firing molds in electric and gas furnaces, etc.; degree of metal fusion, composition, characteristics, and behavior; knowledge of casting techniques: lost-wax casting, pressure casting, cuttlebone casting, flask casting, centrifugal casting, casting in porcelain-based molds and chemical agglutinates; types of furnaces used for casting: reverberatory, crucible, electric, etc.; different procedures for pouring molten metal (with crucible, with ladle, etc.); analysis of defects and methods for finishing castings: sandblasting, chasing, gilding, patination, etc.; historical and cultural references to past casting processes.

Lessons involve individual or group design and realization of a project through foundry techniques under the supervision of the instructor. In addition, the course includes hours dedicated to the discussion and review of projects, until the final exam. The exam is an evaluation of the project and of the theoretical knowledge acquired by the student. To pass the exam, students must attend regularly, complete the project, and submit a final report with pictures illustrating the work phases, as well as the content and stylistic choices.

This is course that runs for the entire year. Part A, offered during the fall semester, is worth 6 quarter units.

Language(s) of Instruction
Italian

Host Institution Course Number

ABAV10

Host Institution Course Title
TECNICHE DI FONDERIA (L)

Host Institution Course Details
https://www.ababo.it/lang/en/courses-and-subjects/learning-activities-index/tec...

Host Institution Campus

Host Institution Faculty

Host Institution Degree
L in SCULTURA

Host Institution Department

Course Last Reviewed
2025-2026

Print