

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

B

UCEAP Official Title

FOUNDRY TECHNIQUES (L)

UCEAP Transcript Title

FOUNDRY TECHNIQUES

UCEAP Quarter Units

6.00

UCEAP Semester Units

Course Description

This is an advanced level art studio course for students with prior experience. Enrollment is by permission of the instructor. Learn the technique to create bronze sculptures using lost-wax casting, pressure casting, cuttlebone casting, flask casting, centrifugal casting, casting in porcelain-based molds and chemical agglutinates.

Course contents: Using and knowing tools, materials, and techniques; learning about the following materials: plaster and scagliola, modeling clay, gelatin, synthetic silicone rubbers, waxes, foundry sands, nails or pins, metal rods, irons, burners, etc.; molding techniques: piece molds, gelatin molds, synthetic rubber molds, lost molds, etc.; reproducing wax models, retouching, arranging channels (pouring and vents), creating 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; 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, content, and stylistic choices.

This is course that runs for the entire year. Part B, offered during the spring 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/courses-and-subjects/learning-activities-index/tecniche-di...>

Host Institution Campus

ABABO

Host Institution Faculty

Host Institution Degree

L in SCULTURA

Host Institution Department

Course Last Reviewed

2025-2026

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