

# ART 158B2 : JEWELRY - CASTING II

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## Transcript title

Jewelry - Casting II

## Required materials

See syllabus for complete materials list.

## Credits

3

## Grading mode

Standard letter grades

## Total contact hours

60

## Other hours

60

## Recommended preparation

ART 158B1 and ART 157A1.

## Course Description

Builds on the skills learned in ART 158B1. May include centrifugal, vacuum, cuttlebone casting and sand casting. The use of molds to duplicate textures to transfer onto wax, creating stone settings in wax, and controlling the wax burn-out will be covered.

## Course learning outcomes

1. Apply intermediate-level skills, using additive and subtractive methods, to create wax models for the casting process.
2. Evidence skills necessary to sprue, invest and cast complex wax models into metal.
3. Achieve a high level of craftsmanship and attention to detail in finished work.
4. Integrate design elements, unifying principles of design, and compositional strength.
5. Interpret and evaluate your work, and critically assess the work of others.
6. Engage consistently in safe studio practices related to the casting process.

## Content outline

1. Principles of design appropriate for casting
2. Review: Materials/tools (wax types, properties, carving tools)
3. Studio safety
4. Intermediate wax carving and building techniques
5. Spruing basic and complex models
6. Review: Investing process (investment, vacuum degassing), mold burnout schedule, centrifugal casting
7. Alternative casting methods such as water casting, broom casting or cuttlebone casting
8. Making molds of cast models for additional castings and production
9. Clean up and finishing of complex castings