

COURSE OUTLINE

Course Title: Lost Wax Casting

1. Course Description: Design and creation of jewelry and small metal sculpture, utilizing the lost wax method of casting, involving sterling silver. Students may provide their own gold for casting.
2. Course Content and Objectives: Upon completion of the class, students should be able to design and render jewelry and small metal objects utilizing the lost wax method of casting. They should gain an appreciation of the esthetics and utility of design in metal, in combination with other materials such as stones, ivory, wood, and other natural and found objects, and gain experience in creating original designs. Students should have a basic acquaintance with metal casting terms and techniques including wax model making, plaster investment, burnout, centrifugal casting, clean-up and finishing. They should be able to make a variety of objects, including rings, brooches, earrings, necklaces, barrettes, buckles, etc. The same materials and techniques may also be used for small sculpture or utilitarian objects. And finally, students should have an adequate acquaintance with resource literature, books, and supply catalogs to independently pursue the craft should they choose.
3. Teaching Methodologies: Instruction will be principally by step-by-step demonstration, utilizing appropriate samples, slides, and literature. Students will be given individual instruction and assistance in the design and construction of their projects. Time will be devoted to study and discussion of design factors, literature and resources. A typical class period will begin with an initial introduction and demonstration of the particular techniques, followed by hands-on practice by the students with individual instruction.
4. Evaluation: Evaluation will be with a pass/fail standard.
5. Resources: Text, tools, supplies and materials will be provided for use during the class.

A supplemental bibliography, available during the class, includes:

Creative Casting-Sharr Choate
Centrifugal or Lost Wax Jewelry Casting-Murray Bovin
The Complete Metalsmith-Tim McCreight
The Design and Creation of Jewelry-Robert von Neumann
Jewelry Concepts and Technology-Oppi Untracht
Metal Techniques for Craftsmen-Oppi Untracht
The Penland School of Crafts Book of Jewelry Making-Coyne
How to Make Modern Jewelry-Museum of Modern Art- Martin
Jewelry Making and Design-Rose & Cirino
Rings for the Finger-G.F. Kunz
The Creative Lapidary-Frank W. Long

New Design in Jewelry-Donald Willcox
Body Jewelry-Donald Willcox
Post-Modern Design-Collins and Papadakis
Art Nouveau Jewellery & Fans-Mourey, Vallance, et al
The Arts & Crafts Metalwork of Janet Payne Bowles-Shiffman
Victorian Jewellery-Margaret Flower
Ethnic Jewelry-John Mack
Primitive and Folk Jewelry-Martin Gerlich
Designs on Prehistoric Hopi Pottery-J. W. Fewkes
Crossroads of Continents-Fitzhugh and Crowell
Book of Signs-Rudolph Koch
Essential Design-Catherine McDermott
Welded Sculpture-Nathan Cabot Hale
Art Through the Ages-Helen Gardner
and several tools, materials and supply catalogs.

6.Contact Time: 20 hours of class over five days time.

CATALOGS:

Rio Grande Jewelers-4516 Anaheim Ave. NE, Albuquerque, NM 87113

1-800-545-6566 www.riogrande.com/

Stuller, Inc. - PO Box 87777, Lafayette, LA 70598-7777,

1-800-877-7777 www.stuller.com

TSI, Inc.-PO Box 9266, Seattle, WA 98109,

1-800-426-9984 www.tsijeweltools.com/