

# 3RDWARD HOLLOW RING WORKSHOP SYLLABUS

## HOLLOW RING WORKSHOP: SMITHING AND SOLDERING

**Project(s):** H Pattern Ring

**Level:** Intermediate

**Prerequisite:** Introduction to Jewelry Soldering, Smithing, and Forging

**Description:** Hollow ring fabrication is an excellent technique for creating dynamic light weight rings. In this three week class, students will learn to make an H pattern ring, one of the most elegant and simplistic hollow ring designs. Students will learn about adjusting the traditional H pattern to fit their finger and personal style, forming and smithing sheet metal to create the ring, and soldering complex or difficult joints. Students will leave the class with a beautiful ring perfect for bezel setting a cabochon in 3<sup>rd</sup> Ward's **Stone Setting: Bezel** class.

### Materials

#### *Kit Items:*

Saw blades

Solder- 6 in each Hard, Medium, Easy

Sheet metal

#### *Shared Materials:*

Ring sizers

Ring mandrels

Tubing block

Dapping punches

Hammers—ball peen, delrin wedge

Sinusoidal stake

Bonny doon stake

Pipe vise



image credit: ganoskin.com

DAY 1 // H Patterns- Adjusting, sawing, forming

- What is an H pattern?
- Making a paper template
- Adjusting the pattern's shape for style
- Adjusting the pattern's length for ring size
- Cutting the pattern
- Join the edges
- Forming the ring

DAY 2 // Making the inner tubing for the ring band

- making seamed tubing
- soldering seamed tubing
- adjusting the tubing for fit
- fitting the tubing inside the H pattern

DAY 3 // Soldering and clean up

- Soldering the tubing in place
- Trimming the tubing
- Clean up
- Polishing
- What to do with the top of the ring?

**Resources:**

<http://www.ganoksin.com/borisat/nenam/hollow-ring.htm>