

## Certificate Course:

### Jewellery Manufacturing I - Basic Techniques

#### Aim:

To teach the student the very basics of jewellery making. What to do in order to manipulate metal eg. Annealing principals. Making a ring to a specified size. The fundamentals of Soldering. Standard finishing routine eg. Filing, sanding and polishing. Safety in the workshop. Proper use of tools and equipment.

#### Techniques covered:

Sawing, replacing broken saw blades, correct saw blade size for thickness of metal, marking on metal, transferring designs, basic soldering, filing, sanding, polishing, hammering, use of pickle, annealing, working with a flexi shaft, drilling holes, polishing on a large polisher, making buff sticks, proper use of a file. How to make the following: wire and plate, jump rings, basic wedding band, wedding band with pierced detail, pendant, bail, loose stack rings, twisted wire, basic chain, basic toggle clasp, basic bezel stone setting.

#### Outcome:

The student is comfortable and confident in the studio surroundings. They understand the basic safety practices. They can identify and properly use all the basic tools and equipment in the studio. They understand and can apply jewellery making basics in the form of simple projects.

#### Projects:

- Basic wedding band (copper)
- Basic wedding band with pierced detail (copper)
- Pendant with pierced detail and wire ornamentation (filigree) (copper)
- Stack rings (silver)
- Multiple link bracelet – chain (silver)
- Ring or pendant or earrings with cab stone

#### Prerequisites:

There are no previous educational requirements for entry into the course. Artistic ability is necessary, as well as practical skill for working with tiny articles and fine precision tools. Technical aptitude, good eyesight and eye-hand co-ordination are also important. The ability to concentrate for long periods and to do neat, precise work, are important qualities of successful goldsmiths/jewellers. Sometimes a jeweller works on a particular piece for days or weeks and this requires perseverance and concentration.

#### Duration:

Total Hours: 30 . The minimum time to complete the course is 5 days, the maximum 5 weeks.

#### This can be done in one of the following ways: (weekdays only)

- 6 hours a day once a week for 5 weeks (9:00 – 3:00)

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Cost:

- Course total: R4500  
Includes:
  - Prescribed Book
  - Course project notes
  - Copper sheet and wire for copper projects
  - 50 grams of Sterling silver
  - Cabochon stone for final project (variety of stones available)

Excludes:

Basic tool kit: (not compulsory) Tuition fee includes the use of studio tools.

All of the above and extra consumables like saw blades, sandpaper, drill bits, rubber wheels are available for purchase on the premises. You may provide your own tools and silver if preferred.

We reserve the right to change program content and materials when it becomes necessary. We reserve the right to withhold certification until full payment is received.

Contact us as soon as possible to arrange dates and times that suit you.

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## Basic tools

- Large toolbox – plastic
- Apron - denim - must fix around neck and waist
- Saw frame – small
- Clamp-on Bench Peg OR B/peg with hammer block
- Saw blades - loose bundles of 4/0 , 3/0, 2/0
- Beeswax
- Centre punch
- Side Cutter / front cutter
- Set of needle files no: 0
- Chain nose pliers
- Flat nose pliers
- Round nose pliers
- Half round flat pliers
- Ring emery sanding mandrel (small)
- Metal Scriber
- Stainless steel diamond tweezers
- Buff sticks x 3
- Sandpaper 2 sheets of each 400, 600, 1200
- Masking tape
- 6" half round file no 3
- 6" flat file no 0
- 1 x 1 mm drill bit
- Soldering Pick
- Silver Solder (Easy),(Medium),(Hard)
- Solder snips
- Small metal ruler
- 2 x rubber wheels (1 blue, 1 pink)
- Rubber wheel mandrel
- 2 x small polishing brushes (med) (for flexi shaft)
- 2 x small polishing mops (for flexi shaft)
- Small piece of unipol block polish
- Ring clamp
- Pusher
- Burnisher
- Clear Safety Glasses
- Flexi shaft drill
- Soldering block (scamolex)
- Micro torch
- Butane for micro torch
- Flux
- Small paint brush
- Self locking tweezers
- Ring mandrel with sizes
- Set of wide ring sizes
- Nylon Mallet
- Chasing Hammer

**Total +- R4500**