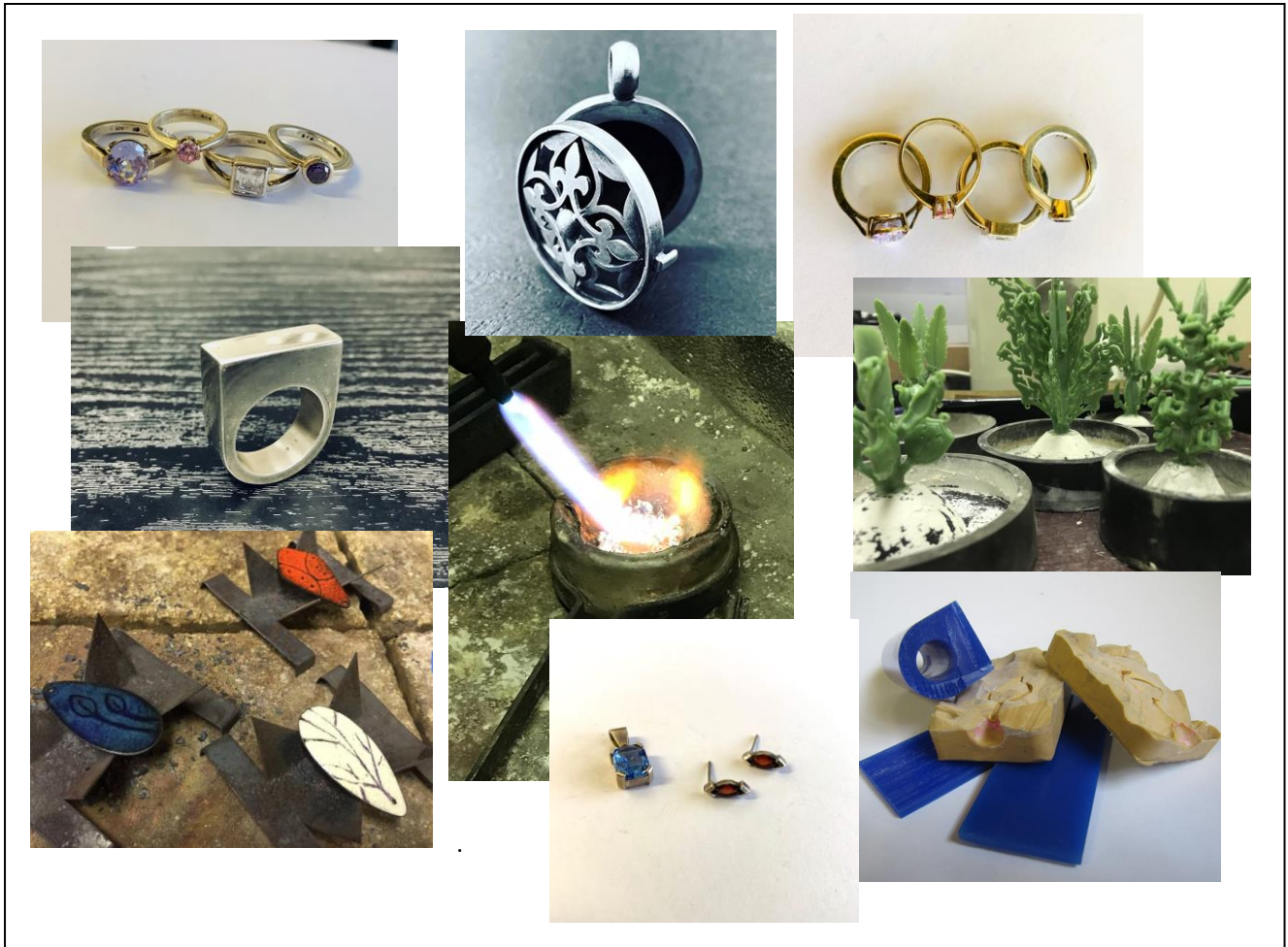


## Certificate Course: 2021 Jewellery Manufacturing III – Apprentice Bench Jeweller



### Course Breakdown

<i>Module</i>	<i>Duration</i>	<i>Course Fee</i>
Construction Techniques: III	8-10 Days	R 9600
Surface techniques	3 Days	R 4600
Introduction to Setwork II	5-7 Days	R 5800
Mould Making and Mass Production Techniques	3 Days	R 4600
Baskets and settings	5-7 Days	R 5800
Trade Practices	2 Days	R 3500
Metalsmithing I	2 Days	R 3500

**This course can be taken as a full Certificate course, or as individual modules.**

Please note that all modules will need to be completed successfully to attain the Jewellery Manufacturing III – Apprentice Bench Jeweller certificate

#### Aim:

The aim of this certificate course is to prepare the student for the workplace. Emphasis is on speed and accuracy, with practical application of trade specific skills.

#### Prerequisites:

Successful completion of the Jewellery Manufacturing II – Intermediate Techniques course (All modules). Admission to the course remains the prerogative of the facilitator. The student needs to supply his/her own consumables – drill bits, sawblades, solder, rubber wheels etc.

### **Outcome:**

*After completing the course, the student will have a portfolio of practical pieces that show he/she:*

- has working knowledge of most of the everyday skills needed in a jewellery studio.
- works quickly and with accuracy.
- can work independently and solve problems on the go
- has practical experience of each aspect of mass production techniques (wax injecting, mould making, tree building, investing, burnout, vacuum casting)
- can do basic repairs and basic set work
- can identify most common gemstones, their shapes and forms, used in jewellery making
- manufacture some working hinges and settings from scratch

### **Grading:**

Grading is optional and at an additional cost.

### **Course Module Details:**

#### ***Construction Techniques III***

Pierced and layered locket pendant, Box ring, Belcher Chain, Pearl bracelet with Box clasp.

Materials Kit: 70 Grams sterling silver.

(extra silver needed to complete projects is available at an additional cost)

#### ***Mould Making and Mass Production Techniques***

*Making silicone mould, making a RTV mould, mould cutting, wax injection,*

*Tree building, how to determine metal needed, how to mix investment, wax burnout cycle,*

*Vacuum casting techniques.*

Materials Kit: Injection Wax, Silicone Mould material, Investment powder

*\*Silver for casting a number of objects is for students own account*

#### ***Constructing Baskets and Settings***

*Tapered tube collet on knife edge wedding band, Ring/earrings with Marquise set stone, Ring with Square stone tube setting, Pendant with Emerald Cut stone setting, Ring with wire basket setting,*

Materials Kit: 30 grams sterling silver, all CZ stones.

#### ***Introduction to Setwork II***

*Preparing gravers, Gypsy setting, Pave, flush and channel setting tension*

Materials Kit: Gravers and handles, Hart and setting burs, Copper and Cubic Zirconia,

#### ***Surface techniques I***

*Etching brass/copper/silver, Enameling, Matt surfacing, Reticulation, Resin*

Materials Kit: 20 grams sterling silver. pre-fabricated objects

#### ***Trade Practices***

*Recycling and refining scraps, testing gold and diamonds, taking in procedure for repairs, health and safety practices, trade shows and publications, identifying gemstones, industry events, resources etc.*

Materials Kit: Prescribed Book

#### ***Metalsmithing***

*Fold forming, forging*

Materials Kit: copper sheets, 20 grams sterling silver

**Duration: Full course – all 7 modules**

36 - 40 Days

Total Hours: 216 - 240

The minimum time to complete the course is 8 weeks, the maximum 6 months.

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

6 hours a day 3 days a week for 12 weeks

On a modular basis

This course can be taken as a full Certificate course, or as individual modules.

**Fees:**

Course Total: R 37 400

**Please note**

*Once supply of silver from materials kit is depleted, the student is responsible for re-supply. In certain modules metals/silver must be provided by the student e.g. casting in silver of wax model.*

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

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