pCOURSE NAME: JEWELRY MAKING I COURSE CODE: IFA 1218 Course Description

The student will learn basic chain construction using mainly wire stock. The student will also learn basic metal smithing techniques especially essential processes the cutting and manipulation of sheet metal into jewelry.

Course Objectives

Will explore essential metal smithing techniques, using locally available materials, tools and equipment.

Week 1-3: Drawing for Jewelry II

(Duration: Essentially 1 *Week, but this material will also be covered as components of other units)*

- Drawing as a research tool
- Drawing as a documentation tool
- Drawing as a concept developing tool

Week 4-6: Saw-line Piercing

(Duration: Essentially 1 *Week, but this material will also be covered as components of other units)*

- How to cut metal into desired and predetermined shapes of metal using a jeweler's saw
- How to manipulate metal into desired forms to produce simple jewelry

References:

Tim McGreight 1988, Jewelry Fundamentals of Metal Smithing, A & C Black, London, Pages. 1012, Oppi Untracht 1982, Jewelry Concepts & Technology, Doubleday & Company Inc. London, Pages 21-25, Oppi Untracht 1982, Jewelry Concepts & Technology, Doubleday & Company Inc. London, Pages 78-84

Week 7-8: Elementary Forming Techniques

(Duration: Essentially 1 *Weeks, but this material will also be covered as components of other units)*

How to manipulate and shape metal into pieces of jewelry using a number of methods and

equipment The Chain in Jewelry

- How to construct different types of chains
- Designing and constructing chains as jewelry Introduction to sheet metal forming techniques
- Sheet metal as a direct jewelry material,
- How to manipulate it into interesting shapes and forms for jewelry References:

Carles Codina 2000, Handbook of Jewelry Techniques, A & C Black, London Pages: 7178 **Week 9-10: Annealing**

(Duration: 1 Week, but this material will also be covered as components of other units)

Introduction to Annealing as an important process in the shaping and manipulation of metal into jewelry

Week 10-11: Surface texturing

Duration: Essentially 1 *Week, but this material will also be covered as components of other units)*
Week 12-13: Simple Finishing & Presentation:

(Duration: Essentially 1 Week, but this material will also be covered as components of other units)

Introduction to hand polishing and finishing for metal jewelry References:

Tim McGreight 1988, Jewelry Fundamentals of Metal Smithing, A & C Black, London, Pages: 1820, Oppi Untracht 1982, Jewelry Concepts & Technology, Doubleday & Company Inc. London, 91-92, Carles Codina 2000, Handbook of Jewelry Techniques, A & C Black, London Pages 2021

Tim McGreight 1988, Jewelry Fundamentals of Metal Smithing, A & C Black, London, 20-32, Leslie Dirks 1994, Creative Jewellery, Lark Books New York -74-76, Oppi Untracht 1982, Jewelry Concepts & Technology, Doubleday & Company Inc. London, Pages 132-142

Week 14-15: Introduction to Mechanical polishing

(Duration: Essentially 1 Week, but this material will also be covered as components of other units)

Introduction to Machine Buffing & polishing as a jewelry finishing method

References:

Tim McGreight 1988, Jewelry Fundamentals of Metal Smithing, A & C Black, London, Pages 5267, Carles Codina 2000, Handbook of Jewelry Techniques, A & C Black, London, Pages 77-79, Oppi Untracht 1982, Jewelry Concepts & Technology, Doubleday & Company Inc. London, Pages 633660

Semester Project

You are commissioned to design and construct a matching set of jewelry for a client. Using your experience in surface texturing techniques (Design complete sets for each of the techniques).

Projected Course Outcomes

By the end of this semester the first year student should:

- Be able to use drawing to document new ideas
- Draw interesting shapes from the environment
- Keep them an archive of Drawings with the intention of using them as a resource for inspiration and for developing new ideas for jewelry.

- He should be able to use drawing as a documentation tool as well as a research tool,
- Use drawing for collecting documenting new material
- Use drawing to develop ideas through the drawn image from source to working designs for jewelry making.
- Proficiency using drawing as a research, documentation and concept development tool in jewelry making.
- Have gained skills in basic jewelry making techniques using wire & sheet metal competently
- Have gained skills and techniques in basic surface embellishment for metal jewelry
- Have learnt to finish and present simple jewelry effectively and successfully
- Know occupational health and safety precautions related to the new techniques, materials, tools & Equipment

Assessment Criteria

The assessed of student's' work will be based upon the following formula. The intended full marks will be divided into four parts each getting a quarter of the mark for one of each of criteria as set out as: Design/Originality/Creativity, Technique, Presentation, and Functionality.