# Jewellery Essentials Certificate F111 Course Descriptions

JEWL 1013 Goldsmithing 1
This course introduces the student to the essential goldsmithing skills of sawing, filing, bending, annealing, soldering, and forming through assigned projects that emphasize manual dexterity and hand/eye co-ordination. It introduces basic metallurgy and formulae relating to jewellery making. Safety issues and correct tool use and maintenance are an important component of this course.

JEWL 1030 Goldsmithing 2
Students extend skills acquired in Goldsmithing 1 through more advanced fabrication and metalworking applications. Tubing, rivets, basic chain making, cone and pyramid construction, findings, gravity casting, and gold and platinum metallurgy advance and expand the skill set of the student. Practical and written assignments determine student outcomes.

JEWL 1017 Metal Finishing 1
Students learn the fundamentals of metal finishing through lectures, demonstrations and practical assignments. Students employ the techniques necessary to take a piece of metal from a rough worked state to a high mirror finish, and explore using texture as an alternative finish. The course covers a broad range of available tools and equipment, as well as safe working practice.

JEWL 1019 Metal Finishing 2
Students polish more complex forms and experiment with coloured surfaces as additions or alternatives to the polished surface. Industry standards, speed and fluency with the techniques are emphasized. Specialized tools and equipment are introduced.

JEWL 1034 Introduction to Gemmology 1
This course is a basic study of gemstones for jewellery students. Students practice gem identification and learn how gemstones are affected by goldsmithing techniques, such as heating, finishing, and setting.

JEWL 1037 Introduction to Gemmology 2
This course continues work from Introduction to Gemmology 1 on the identification and properties of gemstones as they relate to use in jewellery.

JEWL 1038 Technical Drawing
Basic jewellery rendering skills are a prerequisite for communication with clients. Students learn how to create and work from a workshop drawing; to use the tools and equipment necessary for jewellery illustration; to express volume, metal and gemstones with pencils.

JEWL 1045 Jewellery Casting
Casting is the primary mass production technique in jewellery manufacture. Students learn the process through lectures and assignments, and follow the production of pieces from an original model through casting, making a mold, and creating multiple castings of the original piece.

JEWL 1047 Jewellery as an Industry
Students acquire an overview of the jewellery industry and its materials and processes through lectures, research and guest speakers. Students explore the diverse aspects of the jewellery industry, its products and career opportunities.

GHUM 1023 History of Jewellery and Gemstones
Body adornment has played a key role in cultures around the world and throughout time. This course is a survey of the history of jewellery and gemstones in their social and historical contexts.

STS 1037 Career Planning & Development
This course enables students to define their career goals, develop a practical career plan, acquire the knowledge and skills they need to job-hunt successfully, and recognize the importance of understanding employment trends.

COMP 1082 Computer Skills and Applications
This introduction to basic computer applications and the Internet in a Windows-based environment includes program and file management, using a Net browser and basic word processing, and spreadsheet operations.
Prerequisite: none.