environment such as TouchDesigner* or Context Free Art** that the students can use to experiment with generative graphics and procedural animation without the need to write traditional text based computer programs. The artworks can both be shown on screen or output as computer paintings.

By using the commonly available graphic design software, students usually work on computer graphics with a top down planning approach. The variety of the visual imageries will often be limited to the background and exposure of the students' former visual training. This course offers a bottom up approach to facilitate students to overcome the former constraints. By purposely introducing rules and limitations, the generative or evolutionary processes can automatically produce imageries that challenge both the representational and abstract ways of two-dimensional visual creation.

The conceptual framework in the class is transferable and applicable to other subjects like 2D design, spatial design, and experimental painting. As computing software is becoming an important tool for visual art and design, the understanding of the codes, which are essentially rules, is a competitive advantage for students to expand their visual repertoire.

* A free authoring tool for creating interactive 3D art, http://www.derivative.ca/

** A free software that generates images from written grammar, http://www.contextfreeart.org/

VART 3235 From Zero Space to Infinite Dimension: The Art of Glass Casting (3,4,0) (E)

Prerequisite: VART 2236 Ceramic Art: From Pinched Pot to Sculptural Form or VART 2235 From Liquid to Solid: The Art of Glass Blowing

Most objects have three dimensions; however glass can have infinite dimensions through the very light that travels through it and is captured within it. It is a unique quality of glass that it can be transparent, translucent and/or opaque. Such qualities make it possible for glass to express infinite dimensions externally and internally at a zero space.

Glass Casting is an ancient Chinese glass technique that can be dated back to the Warring State (BC 481-221). Now it is the primary glass art technique taught internationally and locally, and one of the main glass production methods used by artists and designers. It is also becoming an important art skill for creative industries, and it has a place in fine art, public art, spatial design and in architecture.

This course introduces the essential techniques of Glass Casting and its sufficient cold-working such as grinding and polishing for finishing the glass product. Students will explore the potential for Cast Glass artworks, and at the same time build a solid and sufficient knowledge base in Glass Casting skills and the accuracy required for good craftsmanship. This class will encourage the enhancement of aesthetic understanding, sensitivity to design, development of imagination, and the development of personal creative language.

Learning Glass Casting allows students to apply their understanding of two-dimensional concept—drawing and design skills—to three-dimensional works. It also allows students to integrate their studies in sculpture, ceramics, jewellery, design and installation to formulate an interdisciplinary practice within Glass Casting.

The course will allow students to attain Glass Casting craftsmanship, and establish their personal creative language through different projects. It will also expose students to the history and development of Glass Casting and important examples of glass cast designs and art works.

VART 3236 From Object to Installation: The Art of Glass Kiln-Forming (3,4,0) (E)

Prerequisite: VART 2236 Ceramic Art: From Pinched Pot to Sculptural Form or VART 2235 From Liquid to Solid: The Art of Glass Blowing

In addition to Glass Blowing and Casting, Glass Kiln Forming is another essential set of glass-art techniques with more complex firing schedules due to the effect of different melting points. It is used widely in the creative industry, from small jewellery objects, daily table products, and interior designs to artistic works, by using fusible colour glass sheets, frits and powders, as well as window glass and recycled glass. This course focuses on three Kiln Forming techniques: Fusing, Slumping and Pate De Verre.

Slumping (660°C) transfers a sheet of glass from 2-D to 3-D, from a sketch to an object. Students learn to use a diamond cutter to cut glass sheets to compose various patterns, and to slump it over a ceramic mould to sag the forms in a kiln. Use of daily recycled glass and window glass are also introduced for Slumping.

The temperature of Fusing (750-840 °C) is higher than Slumping. Fusing is suitable for making jewellery objects, 2-D works, and components for interior designs as well as creating panels for Slumping projects.

Pate de Verre (700°C) is a French word "glass paste" by using different size and colour glass frits and powders mixed with CMC glue to apply over/into a mould (ceramics fibre or high-temperature plaster), then fused together by firing. The works could be thin as a leaf, detailed as lace, vivid as a flower and complex as a building.

The three Kiln Forming Techniques could be used individually or co-ordinately to realize concepts/ideas exquisitely. Sufficient glass Kiln Forming cold-working techniques will also be taught to facilitate a professional completion of the work. Students will explore the potential and wide possibilities of Kiln Forming while building up confidence and accuracy required for craftsmanship. It will provide students with good craft skills and an artistic base for their future career development in visual arts.

VART 3237 Creative Ceramics: Concept and Process (3,4,0) (E)

Prerequisite: VART 2236 Ceramic Art: From Pinched Pot to Sculptural Form

Ceramic art, with its origin in craft, has been propelled by artistic movements, which integrated traditional techniques and aesthetics into the creation of contemporary artwork.

In this course, students will build on previously acquired ceramic skills by augmenting their ceramic knowledge through exposure to more advanced ceramic techniques and the viewing of high calibre ceramic artworks. It is also an exploration into the possibilities of ceramic material and techniques in artistic expression. Students have to tackle different problems in various projects with different approaches to ceramic art including a thematic project, in which students have to create within an assigned concept.

Using a variety of techniques, including paper-clay, advanced hand building and wheel throwing techniques, slip-casting and press-moulding, students will fabricate ceramic composite forms in non-functional approach. Image transfer and glaze test projects will also help students to develop their own messages on surface.

Forms constructed range from abstraction to images of found objects, where the aesthetic consideration will be opened to personal creative expression. Emphasis will be placed on the development of concept and the transformation to three dimensional clay objects. Students are encouraged to create independent work exhibiting personal symbols and content.

Students will further broaden their understanding of ceramics by visiting museums, galleries, and meeting artists at their studios. Additionally, through lectures and research, students will strengthen their historical knowledge of both traditional and contemporary ceramics, so that they can explore the issues of cultural identity and significance in their own work.

VART 3245 Second Skin (3,4,0) (E)

Prerequisite: VART 2245 Wearables

Body coverings can be described as a second skin. This course investigates this notion in terms of intimacy and extimacy. "Intimacy" describes the corporeal relationship of textiles and the body whilst "extimacy" extends to the realm of luxury and display. Second Skin relates to wearables that are in intimate contact with the body; they enhance or disguise, comfort or protect us. Second Skins are three-dimensional objects that are formed through the manipulation of raw materials. The materials and techniques used in their creation are deeply interwoven

with culture and tradition. This course expands the basic skills gained in the lower-level Wearables-course adding the tools and techniques to create fabrics and textural finishes, which will be explored and combined to design and produce wearables and accessories.
Understanding the properties and structures of materials as well as the history and cultural significance of traditional techniques offers the designer a great scope for creativity. The students will be provided with technical skills to develop a fundamental understanding of textiles properties and their cultural significance necessary to produce creative products with a professional level of aesthetic and artistic integrity.
Through practical demonstration of traditional and contemporary textiles techniques including a range of non-loom and loom techniques as well as various methods of texturising, colouring and embellishment, students are encouraged to embrace cross-disciplinary approaches to develop new techniques and applications for body coverings.
The product outcomes will be wearables or accessories as forms of creative expression, design innovation or designs for practical applications in response to a written brief. Students will be expected to complete a range of samples and design concepts as well as a minimum of one wearable object.

VART 3246 Studio Jewellery (3,4,0) (E)
Prerequisite: VART 2246 Small-Metal Jewellery
From pre-historic time till the mid-twentieth Century, people wore jewellery to showcase their wealth, power, social and religious status, superiority and their aesthetic sense. After the Second World War, many of the societies in Europe and America were turned upside down.
The great loss of lives made many artists questioned the traditional values, and reflected on the question of self-identity. The scarcity of materials also pushed many artists to start making jewellery. Together with the new materials made available through technology advancement, the studio jewellery movement was born. At the core of the movement is a deep desire to establish values and identity through jewellery. In many ways, jewellery is the ideal art form to consider a person's values, and to explore the possibilities of utilizing or challenging traditional meanings.
In this course, students will be guided to develop a series of work that reflects their stance on contemporary issues. They will start by studying the traditional meanings of jewellery, and their connections to the underlying craftsmanship. Once these connections are made, they will look at how the studio jewellery movement pushed these apart, and used new ideas and materials to create a new set of language. The students will then reflect on their own perception, develop a series of jewellery, and present their work and research findings to the class.

VART 3255 Exhibits and Displays (3,4,0) (E)
Prerequisite: VART 2255 Space and Site or VART 2256 Product Design
Exhibition Design is potentially one of the most common, but also least recognized design-areas: despite the practice of exhibiting is found not only in museum- or gallery-exhibitions, but also in trade-fairs, showrooms, shops and various public institutions, there are not many programmes or courses dedicated to this specific area. Accordingly this course aims to equip students with the basic knowledge and skills for designing exhibits and displays for all kinds of situations, including the spatial arrangement of a site, the interior design for the space, exhibition-furniture and -graphics. However, it also intends to go beyond the professional practice of exhibit design, and explore the wider practice of exhibiting in general.
As this course aims at students who have already some experience in art-/design-related subjects, but not yet any systematic approach to Exhibit Design, the focus of the course will be on transferring knowledge, skills and personal experience from other subjects like Sculpture, Installation Art, Graphic Design and others, and to apply these in a new professional area that it sought for widely in many design-professions.

VART 3256 Sustainable Design (3,4,0) (E)
Prerequisite: VART 2255 Space and Site or VART 2256 Product Design
Not just after the growing concern about global climate change has environmental issues become an increasingly relevant issue in particular for designer. Sustainable Design describes an environmentally conscious approach to a highly sensitive, political and social problem: the world changes, and so must we. The course will give you an understanding of bio-based and biodegradable materials, recycling materials, and sustainable production processes. The challenge is to take an everyday object, remould, rebuild and re-purpose it to create an entirely new item using as little additional materials as possible. Three different projects and external collaborations with the industry will be the means to a deep understanding of global environmental problems and possible solutions.

VART 3257 3D Prototyping (3,4,0)
Pre-requisite: VART 2255 Space & Site or VART 2256 Product Design
Computers and digital technology allow us to work within a virtual space. Three-dimensional software allows us to play with form and space without dealing with the consequences or natural properties of the actual form in an actual space. In this virtual world the artist can explore and expand their art practice into this virtual world and through it by harnessing its advantages to create new forms and new spaces.
This course will introduce students to digital technology as a means to expand their capabilities to produce and visualize alternative projects in the various art studios. This course explores the extended field of sculpture into the digital realm. Students will be exposed to basic to advanced 3D software used to create suitable models for production with the laser cutter and CNC (computer numeric controlled) machines. Students will also be able to create projects that are meant to be utilized in other art and design practices, such as: precise mould making, template making for fabrication/collaboration, copper plate and wood block preparation for printmaking and glass etching to name a few.
This course is project based and will focus on technical demonstration and a continuous presentation of visiting artist/designers and faculty from all disciplines to inspire in the students the abilities to think fluidly about how ideas can be filtered through this technology. They will then take on more complex projects based on their ability to use the software. This course is designed to show what the machines can do to extend the students' creativity into an alternative mediums and processes. The core objective of this class is to give students an ability to play with such technology so as to expand their creative output in whatever studio they may practice within.

VART 3305 Special Topics in Visual Arts Studies (Art History and Theory) (3,3,0) (E)
VART 3306 Special Topics in Visual Arts Studies (Chinese Arts Studies) (3,3,0) (E)
VART 3307 Special Topics in Visual Arts Studies (Visual and Material Culture) (3,3,0) (E)
Prerequisite: VART 2305 Introduction to Western Art and VART 2306 Introduction to Chinese Art
This course aims to provide an opportunity for students to study in-depth, selected topics in contemporary issues related to the theoretical study of the Visual Arts. Through examination of theories related to the topic, students will look at issues from an interdisciplinary and cross-cultural perspective. The course will guide students to integrate various points of view and develop their own critical judgment of the Visual Arts.
The course will normally start with a discussion and introduction to the special topic in relation to the study and practice of the Visual Arts. Depending on the nature of the selected topic, the course will focus on one or more important trends of thought, assessing their relevance to contemporary culture and practice. Assigned readings will be interdisciplinary, and students will be encouraged to examine the topic from a cross-cultural perspective. The course will conclude with a critical reflection on the topic and its relevance to the general understanding of Visual Arts.