The course introduces the foundation concepts and skills of interactivity employed in contemporary art and design. It aims to go beyond the traditional discussion of interactive media from either the media studies approach or the cognitive aspect of the human computer interaction (HCI) direction. Within the current social and technological context, it provides a broader investigation from the participatory and the performative nature of interaction with the focus of the human body as the main site of interaction.

Students in the course learn to create simple audio-visual musical instruments that the artists and audience can perform together. They also build game-like environments or devices that participants can explore through their bodily interaction. Within this context the focus of the course lies more on the interaction process and experience rather than on the interface design.

This course provides a broad coverage of the use of interactivity in different facets of contemporary art and design. Historical reference will be drawn from a variety of sources like cybernetics, phenomenology, human computer interaction, performance studies, narrative studies, game and play studies, architecture, and sociology. The conceptual framework in the class is transferable and applicable to other subjects like media art/design, spatial design, performance art, and contemporary art theory. As computing technology gets more involved in the creation of visual arts, it is essential for students and practitioners to understand the potential and limitations of the medium in relation with the human body.

The course will introduce the use of the simple graphical programming environment Pure Data that the students can use to experiment with interactive media content, without going through a steep learning curve of mastering traditional text based programming.

VART 3157 Virtual Touch (3,4,0) (E)

Prerequisite: VART 2155 Bodyscape

Media art relies much on the audio and visual senses to engage audience. Interactive media has its uniqueness to employ the tactile sense to create a total sensation for audience. Early interactive artworks start by using "classical" devices of mouse and keyboard to couple the audience's actions and the audio and visual transformation of virtual objects on screen. More sophisticated works embed the interacting devices into a spatial environment or custom made artefacts. In both cases, audience has an embodied experience with the artworks through the exchange of information channeled in the sense of touch.

Because digital technologies are incorporated into our daily life, there is a crucial need to strengthen the communication between these systems and their users. These interfaces are the subject of the course. Students will create new hardware interfaces using electronics and sensors that can replace the mouse and keyboard. Basic design skills and knowledge of Adobe Creative suite are expected.

The interaction between the digital and the physical world is a field with increasing meaning for designers and artists. This course will explore the history of interface design—related to time and space—with regards to usability and cultural issues. The development of interfaces has always been driven by technical progress along with the needs of human beings. Students will research experience design, products design, and digital content and create new concepts for interfaces.

VART 3205 Special Topics in Craft and Design (Graphic Book) (3,4,0) (E/C)

VART 3206 Special Topics in Craft and Design (Experimental Imaging) (3,4,0) (tbc)

VART 3207 Special Topics in Craft and Design (Glass and Ceramics) (3,4,0) (tbc)

VART 3295 Special Topics in Craft and Design (Wearables) (3,4,0) (tbc)

VART 3296 Special Topics in Craft and Design (Objects and Environment) (3,4,0) (tbc)

Prerequisite: To be specified by offering instructor

This course aims to provide an opportunity for students to study in-depth selected topics in contemporary issues related to the various creative practices in Craft and Design.

Through examination of theories related to the topic, students will get an initial look at issues in the Craft and Design from an interdisciplinary and cross-cultural perspective. The course will then guide them to integrate various points of view, and to develop their own critical judgment on the topic under study.

Starting on the basis of this initial introduction the course will then aim to investigate through practice different approaches and methodologies to the course topic, and to ultimately connect and integrate them with existing skills and knowledge of course participants. The aim is to develop and practise skills and concepts for students' personal practices in Craft and Design at the current state of the arts.

This course changes subjects/theme regularly; therefore the individual instructor in consultation with the Craft and Design Division will determine the selected topic, to take full advantage of developing research, issues and global developments in the visual arts.

VART 3215 Picture Book (3,4,0) (E)

Prerequisite: VART 2115 Typography or VART 2216 Graphic Storytelling

This course aims to develop student's storytelling skills and the ability to conceptualize complex visualization in the form of picture book. It provides a platform for the students to explore how images, text, graphics and other visual elements can be used to inform, explain and narrate complex "story" in a unique and creative way.

The course emphasizes the importance of research in the stage of idea-development. Through lectures, workshops and field trip, students will have chance to explore various methodologies that could help them to conduct research on related topics. They will need to initiate their own story idea and develop strategy to gather, organize and articulate contents and information for creative use. To enrich student's visual language, advance topics in story structure, story setting, character design, visualization, image-text interactions and book illustration will be covered. Students are also encouraged to experiment with various approaches in visual expression in order to establish their own personal style.

Besides, the course will provide a comprehensive overview of the history and contemporary practice in the areas stated above by introducing classical works and modern examples. Alternative and cutting-edge models of publishing methods will also be examined to encourage students to challenge the concept of a "picture book".

VART 3216 Cover to Cover (3,4,0) (E)

Prerequisite: VART 2215 Typography

For centuries, reading a book was the only one way of save-travelling to faraway places, unknown cultures and bold adventures. Even time travel and the transforming to another identity were possible while lounging in an armchair at home and reading a book. Today we have more opportunities to get into a story by listening to an audio book, watching movie or playing computer games. But even the medium book is changing its nature from analogue to digital (Kindle and iPad, only to name the famous one).

Despite all these innovations, the traditional printed book is still the most common and most successful distribution format for text- and image-based content. Still the number of printed publication is rising every year. Book design is still the ultimate achievement for any 2D-designer. The innumerable contents of books cannot be covered by one standard design of an anonymous iBook. Not just the physical design of the "anatomy" of a book—spine, cover, binding, front, body, and back—but also the canons of proportion, grids, formats, openings and page design in combination create the essential experience of a good read. And these are only the basics. In addition a digital book cannot replace the sensory experience of touching, smelling and hearing the pages of an analog book.

This course critically evaluates contemporary book design by exploring the changing formats of the book in history, and in the context of the visual arts: as craft, as product, as art and

as medium. It introduces the business of publishing, and its terminology, as well as essential knowledge of printing technologies. Most of all however, the course aims at providing the tools, skills and creative approaches to design and produce a book with self given content and constraints.
After all, it is the purpose of the course to create a book that does not depend on conventional templates but develops from an understanding of competing conventions. The course builds confidence in creative organization and management of content for a wide range of publication practice in contemporary visual arts. It is the point of culmination within the course sequence of the Graphic art-cluster that intends to bring together all previously acquired skills in one project.

VART 3225 Screenprinting and Lithographic Printmaking (3,4,0) (E)
Prerequisite: VART 2225 Experimental Illustration
Screen-printing was first developed in China during the Song Dynasty, and was only relatively late introduced to the West. However, when it finally was patented in England in the early 20th century it developed into a huge industry as it allowed for the first time to print onto almost any surface of almost any 3D-form. Lithography is a truly European invention based on chemical processes of "hydrophobic" and "hydrophilic" surfaces and printing paint. As these chemicals can be applied to all kinds of surfaces, it also allows a vast array of printing possibilities that are particularly interesting for industrial and commercial usage.
Together these two techniques cover almost the entirety of all industrially printed matters, from books to products, from packaging to magazines, yet since Andy Warhol and Pop Art in the 1960s these techniques also became popular as media for artistic expression.
Building up on the skills and knowledge acquired in prerequisite courses, this is a consecutive course on water-based screen-printing and basic lithographic printmaking techniques that also covers the historical, conceptual and technical aspects of these techniques. Expression and implementation of design concepts developed through studies of the printing process will be the primary goal of this course.
In order to facilitate the learning experience, students will make use of the techniques and context of these two printmaking processes to complete several projects. These prints are expected to be technically proficient and indicate an understanding of the two different printing processes. The prints are also required to be imaginative and well designed. All prints must be completely original. Group critiques will coincide with the completion of assigned projects.
Upon completion of the course students will develop greater knowledge in perception, appreciation, composition, printing process preparation and use of colours. Heightened powers of visual awareness, knowledge of the fundamental elements of art, organizational ability, and a creative approach to the use of the printmaking media combine to equip the student for future efforts in studio art production or appreciation activities.

VART 3226 Relief and Intaglio Printmaking (3,4,0) (E)
Prerequisite: VART 2225 Experimental Illustration
Relief and intaglio printmaking in a way relate to each other like additive and subtractive approaches in sculpture: in relief printing some parts of a given matrix are removed to form an image. Ink is applied to the remaining surface areas, and from there directly transferred onto paper. Intaglio printing does exactly the reverse: again some parts of a given matrix are removed, however then the ink is applied into the newly created "gaps" of the surface and then transferred from there to the paper.
Relief printing—as represented for example in woodcut prints—is probably the oldest printing technique of all, having been in use for several millennia throughout many different regions and cultures. It is conceptually and technically simple, yet due to many different available materials, tools and carving techniques nevertheless very versatile. Intaglio in return is more sophisticated, and allows for finer, more controlled lines as well as for more durable printing plates. Both techniques have been part of the artistic canon for centuries, and also today offer plenty of opportunities for experimentation and discovery.
This course covers the historical, conceptual and technical aspects of relief and intaglio printmaking techniques, its focus however lies on expression and implementation of design concepts developed through studies of the printing process. Printmaking projects will support the concepts of individuality, originality, independent decision-making, self-directed inquiry as well as the practical skills needed to express concepts.

VART 3227 Evolutionary Graphics (3,4,0) (E)
Prerequisite: VART 2225 Experimental Illustration
The course introduces the ideas and practices of evolutionary and generative methods to create complex visual imageries. In the context of procedural animation and computer graphics, the concepts of evolutionary biology can both simulate the form of nature and as well go beyond it by creating static or dynamic graphics with little reference in the physical world.
Students in the course learn to create complex computer graphics by specifying very simple rules. They will understand the notion of artificial nature where the seemingly complex behaviours are developed by a number of simple mutually interacting units.
Historical reference will be drawn from a variety of disciplines like machine theory, algorithmic graphics, chaos theory, and self-organizing systems.
The course will introduce the use of the graphical programming environment like vvvv, 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.

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,