

2021-2022 AUTUMN

ISDN3004 ADVANCED SKETCHING (For Design) (2-credit)

Course Instructor : Mr. Brian Lau (Email: brianlau@ust.hk)

Program Officer : Kandi HO (egkandi@ust.hk)

Dates & Time : Studio, Tuesday, Thursday 1230 – 1430

Office Hours : By appointment

Venue : Mixed mode teaching

Course Description

Sketching is a key tool of creativity and communication used by designers and engineers. The course will introduce to students intermediate and advanced level visualization and sketching skills. A larger palette of tools, techniques and materials will be introduced with the aim of enhancing design thinking and conceptual development with a greater variety of visual communication methodologies.

IMPORTANT NOTE:

This course is designed mainly for students who already *have basic sketching/drawing skills*. Mastery of the techniques introduced in this course is contingent of the students own efforts in their own time. Additional tutorial sessions will be provided but sketching requires extended dedication and determination in order to attain a degree of mastery.

Intended Learning Outcomes

Upon completion of this course, students are expected to be able to:

- 1 Understand how sketching is an essential part of the design process.
- 2 Know the fundamental skills of design sketching.
- 3 Apply the skills in the development and communication of design concepts at a fundamental level.
- 4 Understand how to independently progress beyond the fundamental skills introduced.

Course Schedule & Outline

Week	Date	Topic	ILOs
1	Feb 1	Review of the basic sketching skills Drawing Exploded views	1, 2, 3, 4
2	Feb 6 Feb 8	Drawing with One-point perspective Drawing with Two-point perspective	1, 2, 3, 4
3	Feb 15	Outdoor observational sketching	1, 2, 3, 4
4	Feb 20 Feb 22	Rendering w/ markers	1, 2, 3, 4
5	Feb 27	Rendering w/ non standard materials	1,2,3

	Feb 29		
6	Mar 5 Mar 7	(Co-teaching) Professional Practice 1A – students will apply their skills in a product design project	1,2,3,4
7	Mar 12 Mar 14	(Co-teaching) Professional Practice 1B – students will apply their skills in a product design project	1,2,3,4
8	Mar 19 Mar 21	Co-teaching) Professional Practice 2A – students will apply their skills in an architectural/spatial design project	1,2,3,4
9	Mar 26 Mar 28	(Co-teaching) Professional Practice 2B – students will apply their skills in an architectural/spatial design project	1, 2, 3, 4
10	Apr 2 Apr 4 (H)	Independent Project	1,2,3,4
11	Apr 9 Apr 11	Independent Project	1,2,3,4
12	Apr 16 Apr 18	Independent Project	1,2,3,4
13	Apr 23 Apr 25	Exhibition of Independent Projects and Critique	1,2,3,4

Assessment Tasks

Assessment	Description	ILOs
Exhibition (40%)	Each students will be asked to present at least 5 drawings in the format of an exhibition.	1,2,3,4
Individual Sketchbook (30%)	Students will be asked to complete a min. of 100 sketches using the techniques and concepts introduced in the course in their own time	1,2,3,4
In class exercises (30%)	In class exercises will be conducted in each class. These exercises should be clearly marked and documented inside their sketchbooks.	1,2,3,4

Basic marking criteria

- 1) Line / Rendering quality –a variety of line weights / types and colouring techniques / materials have been appropriately used.
- 2) Control – lines / shapes / forms are drawn with confidence and clarity
- 3) Scaffolding – developmental sketches are scaffolded from basic forms to rough ups to refined drawings
- 4) Exploration – numerous design concepts are explored and expressed visually
- 5) Experimentation – techniques not introduced in the course are explored and developed

Recommended Reading Materials

1. <https://www.amazon.com/Sketching-12th-printing-Techniques-Designers/dp/9063691718>

E-resources

<https://www.youtube.com/watch?v=iVy0qGqmKFU>

<https://www.youtube.com/watch?v=lju1rpuHGcl>

<https://www.youtube.com/watch?v=bjEw-mulcjA>

https://www.youtube.com/watch?v=K9N0nYRPSi4&list=RDCMUC62Ngsd_ZBWkX-6yFV-10UQ&index=3

<https://www.youtube.com/watch?v=JJ0E7Axn7kg>

https://www.youtube.com/watch?v=_uzSMAI5AuE&list=RDCMUC62Ngsd_ZBWkX-6yFV-10UQ&index=5

https://www.youtube.com/watch?v=N_IX4ovRk3E&list=RDCMUC62Ngsd_ZBWkX-6yFV-10UQ&index=8

https://www.youtube.com/watch?v=j7YPAHnvrEQ&list=RDCMUC62Ngsd_ZBWkX-6yFV-10UQ&index=9

https://www.youtube.com/watch?v=Nb9uv51tIIQ&list=RDCMUC62Ngsd_ZBWkX-6yFV-10UQ&index=10

https://www.youtube.com/watch?v=JCYW4NI9znE&list=RDCMUC62Ngsd_ZBWkX-6yFV-10UQ&index=14

https://www.youtube.com/watch?v=71vvkT2aaUQ&list=RDCMUC62Ngsd_ZBWkX-6yFV-10UQ&index=22

https://www.youtube.com/watch?v=4UwPiwbmj_8&list=RDCMUC62Ngsd_ZBWkX-6yFV-10UQ&index=23

Academic Honor Code

- You must observe and uphold the highest standards of academic integrity and honesty in all the work you do throughout your program of study.
- As members of the University community, you have the responsibility to help maintain the academic reputation of HKUST in its academic endeavors.
- Sanctions will be imposed if you are found to have violated the regulations governing academic integrity and honesty.
- Regulations for Student Conduct and Academic Integrity (<http://publish.ust.hk/acadreg/generalreg/index.html>)