



E3DES001C

(Token- required)

Design Course (Level III)

Tram Exterior Wrap Designer

Instructors from Tram Plus Ltd.
Hong Kong Tramways Limited



Application Deadline

28 Mar 2023

12:00 noon

Intended Learning Outcomes

Upon completion of the programme, participants should be able to:

1. apply the principles and processes involved in creating 3D models and computer-generated imagery (CGI);
2. create a 3D model from scratch and set up suitable lighting and materials to render 3D images;
3. make use of AI technologies to generate images and text in creative workflows;
4. appreciate others' artworks and respect other's ideas;
5. work collaboratively to complete a project.



◆ Introduction

3D modelling and CGI used to require million-dollar render farms and years of training to master, but nowadays it is possible to create breathtaking concept art in 3D, AR, and VR using open-source software plus your creativity. In this course, you gain the unique opportunity of working within a team of computer engineers and designers from Trampus, a sister company of Hong Kong Tramways, to learn how to conceptualize, model, and render your own 3D design using Blender. In addition to experiencing the use of AI to accelerate your creative process, you will also have the opportunity to design a tram body wrap that will be turned into reality as part of HKAGE's 15th-anniversary celebrations. This course was co-developed with HKUST and is heavily inspired by actual courses that are taken by the university's engineering students.

◆ Schedule

Session	Date	Time	Venue	
1	1 April	9:00 a.m. – 1:00 p.m.	Part 1 : Tram Exterior Wrap Design Hong Kong Tramways Limited Whitty Street Tram Depot Connaught Road West Hong Kong	
2	(Saturday)	2:00 p.m. – 6:00 p.m.		
3	15 April	10:00 a.m. – 1:00 p.m.		
4	(Saturday)	2:00 p.m. – 6:00 p.m.		
5	22 April	10:00 a.m. – 1:00 p.m.		
6	(Saturday)	2:00 p.m. – 6:00 p.m.		
7	(Tentative) 13 May	10:00 a.m. – 1:00 p.m.	Part 2 : Tram Exterior Wrap Painting Hong Kong Tramways Limited Whitty Street Tram Depot Connaught Road West Hong Kong	
8	3 June (Saturday)	2:00 p.m. – 6:00 p.m.		
9	(Tentative) 14 May	10:00 a.m. – 1:00 p.m.		
10	4 June (Sunday)	2:00 p.m. – 6:00 p.m.		
11	(Tentative) 21 May	10:00 a.m. – 1:00 p.m.		
12	(Sunday)	2:00 p.m. – 6:00 p.m.		
13	(Tentative) 28 May	10:00 a.m. – 1:00 p.m.		
14	(Sunday)	2:00 p.m. – 6:00 p.m.		
15	17 June (Saturday)	10:00 a.m. – 12:00 noon		Part 3 : HKAGE Tram Launch Hong Kong Tramways Limited Whitty Street Tram Depot Connaught Road West Hong Kong



◆ Target Participants

- S1 – S6 HKAGE student members in 2022/23 school year only
 - Class size: 15
- * First-come-first-served.

◆ Pre-requisite

No special prerequisites are needed

◆ Medium of Instruction

Cantonese with English handouts

◆ Certificate

E-Certificate will be awarded to participants who have:

- attended ALL part 1 and HALF of part 2; AND
- completed all the assignments with satisfactory performance