


Introduction to Eyewear 3D Design and Modelling Course

Training for professionals

Course Fee: HK\$9,000 (May apply up to HK\$6,000 subsidy)
*Maximum saving, with the final grant subjects to approval.

The course is designed for professional eyewear designers who want to learn how to translate 2D designs into 3D digital models and produce spectacle prototypes with 3D printing technology.

Programme code	10010225
Date and time	30 Jul - 17 Sep 2020 (Eight lessons) 19:30-21:30 on every Thursday
Venue	Online Broadcast 
Medium	English
Course fee	HK\$9,000
Remarks	Limited to 12 seats; on a first-come, first-served basis

Course Objective

With the rapid development of 3D technology, it is widely adopted in eyewear design to incorporate customisability into their products, especially the sportswear and sunglasses. To keep up with this new design and manufacturing trend, it is essential for designers to be equipped with 3D designing and modelling capabilities.

Thereby, this introduction course is designed to equip you with professional 3D eyewear design and modelling in order to help you be ready for the next revolution in the eyewear industry. After this course, you will be able to:

- Understand 3D modelling concepts for eyewear
- Transform 2D sketches to 3D model with Rhinoceros 3D software
- Prepare digital files for 3D prototyping and photorealistic rendering in KeyShot
- Develop mechanical drawing for manufacturing

Prerequisite: Participants should have 2D eyewear design experience

Course Outline

Date	Activities
30/7	<ul style="list-style-type: none"> • Introduction to Rhinoceros 3D interface • Creating geometry and editing simple geometry
6/8	<ul style="list-style-type: none"> • Rhinoceros 3D: 2D graphic drawing • Transfer 2D graphic drawing to 3D Model – Safety Goggles Design • Import file from Adobe Illustrator to Rhino 3D
13/8	<ul style="list-style-type: none"> • Understand 3D modelling surface and customisation • 3D optical eyewear frame
20/8	<ul style="list-style-type: none"> • Precision modelling and hinge design • Earpieces and nose pieces design • Additional surface techniques
27/8	<ul style="list-style-type: none"> • Organic 3D surface and decorative elements
3/9	<ul style="list-style-type: none"> • Discussion on the purpose and goal of 3D prototypes • 3D printing file preparation • Introduction to Keyshot rendering and visual presentation technique • Mechanical drawing
10/9	<ul style="list-style-type: none"> • Sunglasses design and modelling practice
17/9	<ul style="list-style-type: none"> • Final critique and eyewear prototype review

Course Speaker

Prof P.J. CHEN, Adjunct Faculty at College for Creative Studies and Authorized Rhino3D Trainer



Course Certification

Participants with 75% attendance or above will be awarded Attendance Certificate to be issued by the Hong Kong Productivity Council and a Rhino Course Certificate by the Authorised Rhino 3D Trainer

Enrolment method

Please complete the online enrolment form for prior registration

Then submit the original form with payment (crossed cheque with full price made payable to “Hong Kong Productivity Council”, & with course name at the back of the cheque) in person or by post to HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong (Attn: Horace CHEUNG)

Participants are advised to make registration on or before **21 Jul 2020**.



RTTP Training Grant Application

Companies should submit their RTTP training grant application for their employee(s) via <https://rttp.vtc.edu.hk/rttp/login> at least two weeks before course commencement. Alternatively, [application form](#) could be submitted by email to rttp@vtc.edu.hk along with supporting documents.