COURSE DETAIL

INTRODUCTION TO 3D CREATION FOR THE METAVERSE
Country Taiwan
Host Institution National Taiwan University
Program(s) National Taiwan University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science Business Administration
UCEAP Course Number 113
UCEAP Course Suffix
UCEAP Official Title INTRODUCTION TO 3D CREATION FOR THE METAVERSE
UCEAP Transcript Title INTRO 3D METAVERSE
UCEAP Quarter Units 3.00
UCEAP Semester Units 2.00

Course Description

"I believe the metaverse is the next chapter for the internet." Facebook CEO Mark Zuckerberg described the metaverse as an “embodied Internet” that gives one a “feeling of presence.” He believes in the metaverse so much as to change Facebook’s name to Meta Platforms on 2021/12/01. However, the dream of the coming era of Metaverse has been disappointing; the stock price of Metaverse fell more than 60% since then, and in November 2022, Zuckerberg announced a massive layoff of 11,000 jobs about 13% of the Meta workforce.

This course is an introductory course to the 3D creation for the Meta Universe or Metaverse. It teaches what the “metaverse” means and instructs basic 3D skills to create 3D objects and avatars, thereby experiencing the merging of the virtual and reality 3D world. The course is divided into three parts:
(A) 3D Foundation
Topics: Introduction to 3D Graphics and Rendering, Meta Universe (Metaverse), Virtual Reality (VR) and Augmented Reality (AR).
(B) 3D Creation
Topics: 3D open source tool Blender, 3D Character Creation, Modeling, Unwrapping and Texturing, Rigging and Walk Cycle, Avatar, 3D scan, and Animation
(C) 3D Case Study and Project
Topics: case studies 3D applications, Metaverse platforms, and 3D team projects.

Other useful course information:

1. The 3D tools for this course are free, open-source, and cross-platform tools. No costs to students.
2. This course is for both information technology/management students and non-technical majors.
3. Guest speakers from 3D professional fields will share their experiences in class and help demonstrate 3D tools and advise on 3D group projects.

Language(s) of Instruction
English

Host Institution Course Number
IM5063

Host Institution Course Title
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Host Institution Course Details
http://nol.ntu.edu.tw/nol/coursesearch/print_table.php?course_id=725%20U3910&cl...

Host Institution Campus

Host Institution Faculty
Management

Host Institution Degree

Host Institution Department
Information Management

Course Last Reviewed
2022-2023

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