



INTERNATIONAL
TECHNOLOGICAL
UNIVERSITY

NEW NUGGET COURSE

IDS 553 1 Visionary Architecture and Cities

9/8/2020 - 10/4/2020
R 5:00 PM-7:00 PM

Instructor:
Stefan Al, PhD

Want to shape the future of buildings and cities?

By 2050, more than 70% of the world's population will be living in cities. Designing better buildings and cities has never been more important. In the Visionary Architecture and Cities Nugget course students learn about the biggest trends shaping the built environment, and how to can play a role in it.

Upon completion of this course the student will:

1. learn about the main avant-garde architecture movements
2. be able to situate buildings and city designs in their historic context
3. develop new visionary design directions for cities and buildings

Course Description

5 Week Course 3hrs / Week

Throughout history until today, architects, artists and philosophers have imagined and drawn up visionary buildings and cities in response to different historical conditions from technological progress to environmental changes. Although their designs were typically relegated to the drawing boards, they inspired generations of architects and designers. Rather than presenting a linear historical narrative, this course is structured around a series of common themes based on the designers' inspirations, including technology, environment, social conditions, and self-organization. Students will get familiar with the avant-garde architecture and urbanism of the past century and will be able to situate buildings in their historic context. In addition, they will design a visionary city or building of their own.

Industry Related Job Opportunities :

Information-Based Architecture | 3D Modeling
Historical Context Design | Architectural Design

Benefits of taking the nugget course :

Study under Stefan Al, an award-winning architect and expert in the field.

Required
Software/Hardware:
Software that would
be helpful for this class:
3D modeling software:
Rhino 6, Maya, 3DMax, or
SketchUp;
Image editing software:
Adobe Photoshop.

International Technological University

Canton Tower
Designed by Stefan AI, PhD



Stefan AI, PhD

Dutch Architect
Urban Designer
TED Resident

He believes that with smart design we can create the most inspiring buildings and sustainable cities.

As a designer he contributes to a number of mixed-use and transit-oriented developments, master plans, and high-rise towers across the world. Through his work, he aims to promote environmental sustainability, health and wellness, and urban vitality.

Stefan started his career as a designer at Information Based Architecture in Amsterdam, winning the competition and commission for the 2000-foot tall Canton Tower, which briefly held the title of the world's tallest tower. The project, known for its elegant silhouette and technological excellence, is the most popular attraction in Guangzhou and widely appreciated as a landmark throughout China.

In addition, he has served in various capacities to major institutions, such as the World Heritage Center of UNESCO, working on the preservation of world heritage in Latin America, the Hong Kong government, consulting on the development of the city's harbor and external lighting guidelines, and to the United Nations High-Level Political Forum on Sustainable Development, serving as an expert on compact city design.

Stefan is committed to teach the next generation of architects, urban designers, and urban planners.

He currently serves on the faculty of Columbia University, Pratt Institute, the City University of New York, and Tongji University. Besides teaching students, he trains professionals to design for environmental sustainability as a consultant for Urban Green, a non-profit dedicated to transform New York City buildings for a sustainable future in response to climate change.

Over the years, he has served as a professor at the University of Hong Kong and the University of Pennsylvania, where he directed the urban design program and co-taught an online course, Designing Cities, with more than 70,000 students.

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