

Course Outline (online course)

- I. Title: The 147th Regular Session on Infrastructure Development and Planning
- II. Organizer: International Center for Land Policy Studies and Training
- III. Duration: 3 months, scheduled for September 17 through December 10, 2021
- IV. Target Audience: 26-28 international and Taiwanese participants of medium and high level government officials or experts in the fields of urban and rural planning, infrastructure planning
- V. Objectives:
 1. Providing the participants with understanding of the most recent lessons learned in achieving goals for effective infrastructure development and planning.
 2. Giving the participants a deeper knowledge of infrastructure development, planning, investment and maintenance, institutions and governance; urbanization and rural public infrastructure, informal settlement upgrading, planning of transportation, housing issues and public utilities;
 3. Introducing the participants to the techniques of economically and institutionally analyzing infrastructure planning;
 4. Arming the participants with skills and perspectives in planning of transportation, housing and public utilities;
 5. Assisting participants with exploring models, policy development, implementation, and Taiwan experience regarding:
 - (1) Land Policy and Urban Development
 - (2) Public Finance and Investment
 - (3) Transportation Investment
- VI. Course Components
 1. Lectures on Videos:
 - (1) Module 1: Land Policy and Urban Development
 - Video 1: Land, Infrastructure, Informality and Urban Development
 - Video 2: Participatory Land Use Simulation 1
 - Video 3: Land Based Instruments for Urban Resilience
 - Video 4: Participatory Land Use Simulation 2
 - Video 5: Participatory Land Use Simulation 3
 - (2) Module 2: Public Finance and Investment
 - Video 1: Financing Capital Projects
 - Video 2: Case Studies: Confronting the Decline in Cleveland
 - Video 3: Financing Infrastructure Projects Through Capital Markets
 - Video 4: Financing Infrastructure Projects Using Land Value Capture
 - Video 5: Case Studies: Community Toilets and the Challenges of Urban Sanitation in Nairobi, Kenya
 - (3) Module 3: Transportation Investment
 - Video 1: Transport Project Cycle: From Planning, Finance to Implementation
 - Video 2: Integrated Transport and Land Use Planning: A Case Study of Transit-Oriented Development
 - Video 3: Transport Project Appraisal & Cost-Benefit Analysis

Video 4: Information Technology, Infrastructure, and Smart Cities
Video 5: Social Housing

2. Taiwan Experience:

(1) Module 1:

Video 1: Planning and Development of Intelligent Transportation System in Taiwan

Video 2: Modernization of Nations and the Choices of Land Development and Infrastructure Installation

Video 3: Taiwan Inundation Characteristics and Urban Water Management

(2) Module 2:

Video 1: Public-Private-Partnership Models for Infrastructure Projects

Video 2: Infrastructure Investment Criteria

Video 3: Local Economic Development

(3) Module 3:

Video 1: Transportation Vulnerability and Resilience

Video 2: Sustainable Transportation

Video 3: Sustainable Development and Green Infrastructure

3. Exercise & Test: To ensure every participant really grasps the essence of the lecture content and the effectiveness of learning, lecturers will give some exercises and a test of essay questions following every topic they deliver. The test will be scored by lecturers to qualify the participants for their completion of the course.

4. Online Seminar: from 09:00-12:00 Taipei Time on Thursday near the end of every module. In addition to video lectures, the course sets aside this period of time for online seminar, which encourages interaction not only among participants, but also between participants and lecturers. Participants can learn not only from the lectures, but also through active discussion with fellow participants and lecturers. Similarly, they can take this opportunity to raise questions for lecturers to clarify whatever the participants do not understand on the lecture videos of that particular module. To reach the above-mentioned objectives, the participants are required to refresh the lecture videos of that particular month thoroughly before attending the monthly online seminar, and to make themselves present at the seminar throughout the whole session from beginning to end.

5. NOTE WELL:

(1) The course emphasizes experience sharing and direct participation; on videos and online seminars are all conducted in English, while exercises & tests are designed to augment and enrich the learning experience and effectiveness. Participants are required to undertake all components of the course to qualify completion of the course, which will be marked by conferring a certificate at the end of the whole course.

(2) To familiarize the participants with this online course, the Center also sets aside an online orientation, which includes importantly, a course overview by the course coordinator. To wrap this online course, the Center will conduct an online commencement ceremony at the end of the course, during which a certificate will be conferred on each participant who has completed all components of the course.

The 147th Regular Session on Infrastructure Development and Planning
Online Course (tentative)
September 17 – December 10, 2021

Friday September 17	Online Orientation <i>Director Jack Sheu</i>	Online Course Overview <i>Course Coordinator Ge Vue</i>
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Sep. 20 – Oct. 14, Module I: Land Policy and Urban Development (each topic is recorded in a two-hour video)

Main instructor: Enrique Silva and Ge Vue

Week 1	Land, Infrastructure, Informality and Urban Development <i>Enrique Silva</i>	Exercise & Test (2 hours)
	Participatory Land Use Simulation 1 <i>Enrique Silva and Ge Vue</i>	Exercise & Test (2 hours)
Week 2	Land Based Instruments for Urban Resilience <i>Carlos Morales-Schechinger</i>	Exercise & Test (2 hours)
	Participatory Land Use Simulation 2 <i>Enrique Silva</i>	Exercise & Test (2 hours)
Week 3	Participatory Land Use Simulation 3 <i>Enrique Silva and Ge Vue</i>	Exercise & Test (2 hours)
Thursday October 14	Online Seminar (09:00-10:15)	Online Seminar (10:45-12:00)

Taiwan Experience

Week 1	Planning and Development of Intelligent Transportation System in Taiwan <i>Chien-Pang Liu 劉建邦</i>	Exercise & Test (2 hours)
Week 2	Modernization of Nations and the Choices of Land Development and Infrastructure Installation <i>Simon, Chien-Yuan Chen 陳建元</i>	Exercise & Test (2 hours)
Week 3	Taiwan Inundation Characteristics and Urban Water Management <i>Tsang-Jung Chang 張倉榮</i>	Exercise & Test (2 hours)

Oct. 18 – Nov. 11, Module II: Public Finance and Investment

Main instructor: Enrique Silva and Ge Vue

Week 1	Financing Capital Projects <i>Enrique Silva</i>	Exercise & Test (2 hours)
	Case Studies: Confronting the Decline in Cleveland <i>Enrique Silva and Ge Vue</i>	Exercise & Test (2 hours)
Week 2	Financing Infrastructure Projects Through Capital Markets <i>Enrique Silva</i>	Exercise & Test (2 hours)
	Financing Infrastructure Projects Using Land Value Capture <i>Enrique Silva</i>	Exercise & Test (2 hours)
Week 3	Case Studies: Community Toilets and the Challenges of Urban Sanitation in	Exercise & Test (2 hours)

	Nairobi, Kenya <i>Enrique Silva and Ge Vue</i>	
Thursday November 11	Online Seminar (09:00-10:15)	Online Seminar (10:45-12:00)

Taiwan Experience

Week 1	Public-Private-Partnership Models for Infrastructure Projects <i>Cheng-min Feng 馮正民</i>	Exercise & Test (2 hours)
Week 2	Infrastructure Investment Criteria <i>Cheng-min Feng 馮正民</i>	Exercise & Test (2 hours)
Week 3	Local Economic Development <i>An-Ting Cheng 鄭安廷</i>	Exercise & Test (2 hours)

Nov. 15- Dec. 9, Module III: Transportation Investment

Main instructor: Zhi Liu

Week 1	Transport Project Cycle: From Planning, Finance to Implementation	Exercise & Test (2 hours)
	Integrated Transport and Land Use Planning: A Case Study of Transit- Oriented Development	Exercise & Test (2 hours)
Week 2	Transport Project Appraisal & Cost-Benefit Analysis	Exercise & Test (2 hours)
	Information Technology, Infrastructure, and Smart Cities	Exercise & Test (2 hours)
Week 3	Social Housing	Exercise & Test (2 hours)
Thursday December 9	Online Seminar (09:00-10:15)	Online Seminar (10:45-12:00)

Taiwan Experience

Week 1	Transportation Vulnerability and Resilience <i>Cheng-min Feng 馮正民</i>	Exercise & Test (2 hours)
Week 2	Sustainable Transportation <i>Cheng-min Feng 馮正民</i>	Exercise & Test (2 hours)
Week 3	Sustainable Development and Green Infrastructure <i>Yung-jaan Lee 李永展</i>	Exercise & Test (2 hours)

Friday December 10	Online Commencement Ceremony
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Remark:

1. Topic content is to be made in video, and accompanied by 1-2 simple questions to be rated, marking participants' accomplishing studying the topic.
2. Near the end of each month, an online seminar is scheduled for discussion, Q & A of the topics covered in each month's module.



國際土地政策研究訓練中心

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Ref. 1100200034

May 11, 2021

Dear Sir/Madam:

Subject: Invitation to Nominate Country Participants to Attend ICLPST's 147th Regular Session on Infrastructure Development and Planning (online course)

On behalf of the International Center for Land Policy Studies and Training (ICLPST), I cordially invite your country to nominate candidates for ONLINE participation in the Center's 147th Regular Session on Infrastructure Development and Planning.

Due to impact of COVID-19 pandemic, learning methods were delivered through distance learning. This allows participants to study at work or from home. Course components include lectures on videos with exercise/test and online seminar. Participants choose the time to watch lecture videos and to finish exercise/test, whereas online seminars follow a fixed schedule as below. The training will begin on September 17 and conclude on December 10, 2021.

Item	Date	Time
Orientation	September 17, 2021	09:00am to 12:00pm (GMT+8)
Module 1 on Land Policy and Urban Development	September 20 to October 13, 2021	16 hrs (self-arranged)
Online Seminar 1	October 14, 2021	09:00am to 12:00pm (GMT+8)
Module 2 on Public Finance and Investment	October 18 to November 10, 2021	16 hrs (self-arranged)
Online Seminar 2	November 11, 2021	09:00am to 12:00pm (GMT+8)
Module 3 on Transportation Investment	November 15 to December 08, 2021	16 hrs (self-arranged)
Online Seminar 3	December 09, 2021	09:00am to 12:00pm (GMT+8)
Commencement	December 10, 2021	10:00am to 12:00pm (GMT+8)
TOTAL		62 hrs

*For details, please refer to the attached Course Outline and Curriculum.

Your organization is invited to nominate two candidates for our consideration. The Screening Committee of the Center will make the final selection of participants to this training, and the Center will accept only one nominee.

To facilitate your nomination and the Center's selection, please kindly observe the following regulations and guidelines:

1. Candidates must be proficient in both spoken and written English in order to be able to follow lectures and instructions conducted in English.
2. Candidates must be persons who are presently working in the areas of urban development, city planning, urban infrastructure planning, transportation, etc.
3. How to successfully get started and complete the course:
 - (1) Participants shall commit to the three-month online course and undertake all components of the course to qualify completion of the course.
 - (2) Participants shall have a PC/laptop with a camera and a microphone.
 - (3) Consistent and reliable access to online materials is very important for an admitted candidate throughout the course.
 - (4) Participants will be required to utilize:
 - Microsoft (MS) Office
 - MS Teams (MS account needed for mobile app)
 - YouTube (Google account needed)Any computer being used for the purpose of taking the course should have access/membership to these software and websites.
4. Any notifications will be sent to participants' email and MS Teams chat. It is important that they check their messages daily so that they do not miss any important updates especially prior to the start of the course. For any technical issues, participants may get in touch with online registration assistance by email to vivian@iclpst.gov.tw. This service does not carry out manual registrations.
5. To make sure all the content on the application be recognized correctly, candidates must type out all the information; handwritten application form will not be accepted.

All candidates must fill in the enclosed application form and send it to ROC (Taiwan) Embassy/Representative Office before August 13, 2021 for onward transmission to the Center. Successful candidates will be duly notified of the Center's decision (candidates not selected will not be notified). The Center reserves the right of final selection of participants. Thank you very much for your kind cooperation.

Sincerely yours,



Jack Kuei-son Sheu
Director

Enclosures: 1. Application Form 2. Course Outline 3. Curriculum