

Graduate School of Public Policy
The University of Tokyo

Case Study (Public-Private Partnerships)

Course No. 5140488/5179002[†]
2020S1S2

COURSE SYLLABUS

- Time:** Period 6 (18:45-20:30) on Mondays (unless otherwise announced)
The first day of class is Monday, April 6.
- Location:** Lecture Hall B (IAR 0414B), 4th floor, International Academic Research Building
To protect ourselves from the new coronavirus, all teaching and learning activities under this course will be conducted online via Zoom until the announcement is made during the semester. Students are urged to take this course at home. However, students without internet access at home are allowed only exceptionally to take this course in Lecture Hall B, following the instructor's prior approval. Please check the class information on UTAS regularly for updates.
- Class materials:** **All the reading materials and reporting sheets referred to in the detailed course syllabus (Attachment 2) are available in the shared Google Drive folder, the link to which is given on the Detailed Information page of this course on UTAS. The same materials will be also made available on ITC-LMS.**
- Instructor:** Toshiro Nishizawa, Professor
<http://www.pp.u-tokyo.ac.jp/en/faculty/nishizawa-toshiro/>
- TA:** Ms. Qonita Rahmah | ...
- Credits:** 2 credits
- Language:** English
- Category:** Practical training
- Office:** Room 1120, 11th floor, International Academic Research Building
- Office hours:** By appointment
One-on-one consultations by appointment are an exception to online-based teaching activities as stated above.
- Contact:** tnishizawa@pp.u-tokyo.ac.jp | 03-5841-1343

*Please feel free to send me e-mails with any question about the course or if you want to make an appointment. To help me not to miss your incoming e-mails, **please start the subject line with 5140488** when you send e-mails.

1. Objectives

This course will provide students with an overview of Public-Private Partnerships (PPPs) as a framework for infrastructure development and public services provision.

[†] The second course number indicates that this case study is offered also as an International Practical Research for doctoral students.

Thus, the course aims to prepare students for future positions engaged in infrastructure development and public services provision in both the public and private sectors, where financial perspectives are also required. As a practical training course, students will have the opportunity to work in a team, make oral presentation, debate and produce memos and reports.

The key motivation for PPPs is to seek efficiency gains as well as to fill public sector funding gaps through private sector participation. Recognizing such potential benefits, we have seen an increasing interest in PPPs over the past decades.

The core task of structuring a PPP project is to reconcile the interests of various parties from the private and public sectors. These parties include investors, lenders, and contractors on the private sector side and the government and other related entities on the public sector side. PPPs are in reality very complex and most likely costly. Risk allocations are challenging because of the public nature of infrastructure services provision and inherent uncertainties over the long term. Difficulties also arise from the different attitudes of investors, lenders, government entities, and the general public. PPPs are equipped with a very commercial contractual structure and operational modalities, but at the same time are extremely political with social implications.

2. Schedule

The course schedule is as follows while changes might be made for a successful online course delivery as needed. For details, please see Attachment 2.

Day 1	Mon, April 6	Introduction	Nishizawa
...	Fri, April 10– Thu, April 16	Course registration period	...
Day 2	Mon, April 13	PPP basics	Nishizawa
Day 3	Mon, April 20	Financing aspects	Nishizawa
...	Mon, April 20– Thu, April 23	Course registration withdrawal period	...
Day 4	Mon, April 27	Public-sector investment decision vs. private sector perspectives	Nishizawa
Day 5	Mon, May 11	Risk allocation and incentives	Nishizawa
Day 6	Mon, May 18	Public sector support and fiscal risks	Nishizawa
...	Wed, May 20	Team formation reporting date	...
Day 7	Mon, May 25	Pros and cons of PPPs	Nishizawa
Day 8	Mon, June 1	Student presentation (group research proposal) and debate	Nishizawa
...	Mon, June 1	Mid-term report (group research proposal) submission date	...
Day 9	Mon, June 8	Discussion on cases (water and public transportation)	Nishizawa
...	Mon, June 8	Feedback on mid-term report	...

Day 10	Mon, June 15	Discussion with a practitioner	Nishizawa Guest †
Day 11	Mon, June 22	Discussion with a practitioner	Nishizawa Guest ‡
Day 12	Mon, June 29	Student final presentation and debate	Nishizawa
Day 13	Mon, July 6	Student final presentation and debate (continued)	Nishizawa
...	Mon, July 27	Final report submission date	...

† Mr. Munetaka Horiguchi, Structured Finance Director, Vice President, Energy Project Business Development Division, Global Environment & Green Energy Project Business Division, Chiyoda Corporation

‡ Mr. Hideto Shimonishi, Director, Global Advisory Team, Solution Products Division, MUFG Bank, Ltd.

3. Teaching methods

This course will be conducted as a series of interactive sessions, each with the introductory lecture and guided discussion. *Active participation in discussion* is encouraged based on student different backgrounds, life-experiences, knowledge, and reading of assigned materials. Students are required to choose a case or a topic of his/her interest in the early stages of the course.

Guest speakers will be invited to discuss specific issues from various perspectives and based on different fields of professional expertise.

4. Course requirements and grading

Students are required to give presentations twice during the course as **a team of two or three members to be formed by Wednesday, May 20** on a case or a topic of their interest in line with the course objectives.

Each team is required to submit reports twice based on the presentations in the middle and at the end of the course. Mid-term reports serve as group research proposal. While the final report should be written as a single product prepared in a well-coordinated way by the team, **each of the team members should be responsible for at least one of the chapters or sections as the primary author.**

Furthermore, students are required from time to time to write a short note (up to 200 or 400 words) about one of the readings assigned for a particular class session and to submit the note as instructed.

The course grade will be based on:

Presentations 35% (10% for mid-term and 25% for final)

Reports 35% (10% for mid-term and 25% for final)

Class attendance 10%

Class participation 20%

5. Course materials

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Required readings—mainly excerpts taken from the following materials—will be made available electronically in the shared Google Drive folder, the link to which is given on the Detailed Information page of this course on UTAS.

Delmon, Jeffrey. 2017. *Public-Private Partnership Projects in Infrastructure: An Essential Guide for Policy Makers*. 2nd edition. New York: Cambridge University Press.

Engel, Eduardo, Ronald D. Fischer, and Alexander Galetovic. 2014. *The Economics of Public-Private Partnerships: A Basic Guide*. New York: Cambridge University Press.

Financial Times. 2019. “An honest history of how America pays for roads.” February 8.

Helbling, Thomas. 2010. “What Are Externalities: What Happen When Prices Do Not Fully Capture Costs.” *Finance & Development* Vol. 47, No. 4 (December). Accessed February 1, 2020.

<http://www.imf.org/external/pubs/ft/fandd/2010/12/basics.htm>

IMF and World Bank Group. 2016. *Public-Private Partnerships Fiscal Risk Assessment Model User Guide—Preliminary version*. Washington, DC: IMF. Accessed February 1, 2020.

<https://www.imf.org/external/np/fad/publicinvestment/pdf/PFRAMmanual.pdf>

Indonesia Information Portal. 2019. “Prioritize PPP schemes in New Capital Development.” August 30, 2019. Accessed March 18, 2020.

<https://indonesia.go.id/narasi/indonesia-dalam-angka/ekonomi/prioritaskan-skema-kpbu-dalam-pembangunan-ibu-kota-baru>

Nishizawa, Toshiro. 2011. “Changes in Development Finance in Asia: Trends, Challenges, and Policy Implications.” *Asian Economic Policy Review*. Volume 6, Issue 2 (December).

Nishizawa, Toshiro. 2018. “Infrastructure Investment and Finance in Asia.” *Public Policy Review*, Policy Research Institute, Ministry of Finance, Japan, Vol. 14, No.5 pp. 925-953 (September). Accessed February 1, 2020.

https://www.mof.go.jp/english/pri/publication/pp_review/ppr14_05_05.pdf

Schiffler, Manuel. 2015. *Water, Politics and Money: A Reality Check on Privatization*. New York: Springer.

Verougstraete, Mathieu and Hyo Jin Kang. 2014. “Mobilizing Private Funding: the Case of the National Highways of India.” *Public-Private Partnerships Case Study #3 (June)*. UN ESCAP. Accessed February 1, 2020.

http://www.unescap.org/sites/default/files/Case%203_Private%20Funding_Indian%20Highways.pdf

Verougstraete, Mathieu and Isabelle Enders. 2014a. “Traffic Demand Risk: the Case of Bangkok’s Skytrain (BTS).” *Public-Private Partnerships Case Study #1 (March)*. UN ESCAP. Accessed February 1, 2020.

http://www.unescap.org/sites/default/files/Case%201%20_Traffic%20Demand_%20Bangkok%20BTS.pdf

Verougstraete, Mathieu and Isabelle Enders. 2014b. “Efficiency Gains: the Case of Water Services in Manila.” *Public-Private Partnerships Case Study #2 (April)*. UN ESCAP. Accessed February 1, 2020.

http://www.unescap.org/sites/default/files/Case%202_Efficiency%20Gains_Manila%20Water.pdf

World Bank, ADB and IDB. 2017. *Public-Private Partnerships Reference Guide Version 3.0*, Washington, DC: World Bank Publications. Accessed February 1, 2020.

<https://ppp.worldbank.org/public-private-partnership/library/ppp-reference-guide-3-0>

Yescombe, E.R., and Edward Farquharson. 2018. *Public-Private Partnerships: Principles of*

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Policy and Finance. 2nd edition. Burlington and Oxford: Butterworth-Heinemann.

Attachment 1 Titles of Student Final Reports Submitted in AY2010-AY2019
~~Attachment 2 Detailed Course Syllabus~~ (only available in the shared Google Drive folder, the link to which is given on the Detailed Information page of this course on UTAS)

March 31, 2020

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Titles of Student Final Reports Submitted in AY2010-AY2019

Case Study (Public-Private Partnerships) in 2019S1S2

Case study of a PPP project—Batang Coal-Fired Power Plant
Chinese characteristics in PPP projects—a case analysis of Beijing Metro Line 4
Comparative analysis of infrastructure financing in the Philippines
Expanding the boundary of PPP: How PPP light rail contributed to the Toyama Compact City Initiative
How to prevent PPP from bankruptcy
PPP in Airport Infrastructure: How Changi Airport Group has expanded its business
PPPs after the Rio 2016 Olympics
Soft budget constraints in PPP projects: A case analysis of Bird's Nest Stadium
The prospects of Public-Private Partnership (PPP) on hydropower development in Nepal

Case Study (Public-Private Partnerships) in 2018S1S2

An assessment of the risk allocation in the Jakarta-Bandung high speed railway project
Behind the scenes of successful geothermal PPP—assessing a successful geothermal power plant project in Indonesia—
Case study for PPP on Kabeli 'A' Hydropower in Nepal—is PPP just a normative instrument or practical solution?
Lessons from prison sector PPP in New Zealand: benefiting stakeholders in social infrastructure PPP
Reappraising and renegotiating: studying the end of term and transitions of PPP projects
The effect of transparency on the bidding process of PPPs: Latin American case study

Case Study (Public-Private Partnerships) in 2017S1S2

How efficiency gains in public service provision can be achieved through public private partnership?—case studies from India and Cambodia

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Innovative financing schemes for future PPPs

Legal lacunae and PPP failures

Most prevalent risks in different development stages in China, Hong Kong and Japan

Public-private partnerships in American foreign assistance: a case study of Malawi Dairy Development Alliance

Case Study (Public-Private Partnerships) in 2016S1S2

Analysis on risk management on PPP during project implementing stage

Role of the government to vitalize PPP: challenges and measures of four leading countries

Ex ante risk management in PPP projects: due diligence as the tool and its case implication

Public Private Partnerships and sporting mega events: a model for development?

Case Study (Public-Private Partnerships) in 2015S1S2

Expressway construction with the BOT model: lessons for ASEAN governments

Enhancing early childhood education and development through social impact bond: a case study of Indonesia

Solid waste management in Dhaka city challenges, opportunities, and future recommendations for PPP framework

Assessing factors for success for solar power Public-Private Partnerships

Applicability of PPP railway projects in Japan

Probity advising: strengthening the PPP project

Case Study (Public-Private Partnerships) in 2014 Summer

Public Private Partnership on subway: the case of Brazil, Thailand, China and England

Analysis of unsolicited PPP projects in the Philippines with policy recommendations on how to improve rules and incentives

Railway PPP projects in East Asia: some lessons for the future

Public Private Partnerships in Beijing subway: will they continue to succeed?

Case study: Public-Private Partnerships behind the success and failure, comparison and analysis

An exploration of Public Private Partnerships in road sector: a case of India

Legal framework for PPP in India: important factor for road sector projects

Case Study (Public-Private Partnerships) in 2013 Summer

A cross-sectional analysis of policy schemes in Japan, Germany, South Korea and the United Kingdom

Space: the final frontier of Public Private Partnerships

Financial and risk management aspect of power sector PPP in Southeast Asia

Sustainable urban development and official development assistance: Public-Private Partnerships focused on land readjustment schemes

The leading factors of success and failure in urban PPP water projects

Japan's PPP in community development to enhance the quality of public service through "commercialization": the case study of Takeo City library in Saga Prefecture

Case Study (Public-Private Partnerships: Theory, Practice, and Cases) in 2012 Winter

Public Private Partnerships: The findings of the airport group

Comparative analysis of metro PPP projects in Asian countries: China/Malaysia/Thailand/Korea

PPP case study: Recommendations to improve the PPP framework through a comparison of highway projects

Public-Private Partnerships: offshore wind power projects

Case Study (Public-Private Partnerships: Theory, Practice, and Cases) in 2011 Winter

PPP in China's water and wastewater treatment sector

Managing fiscal risk: case study on transportation sector

High speed rail: successes and failures as Public-Private Partnerships and lessons learned for the United States

Mitigation of political risks in PPPs

Comparative examination of fiscal risk allocation in transportation infrastructure projects

PPP in Philippine MRT3/ MRT7

Rashtriya Swasthya Bima Yojana: a PPP solution to provide health insurance to the informal sector of India

Case Study (Public-Private Partnerships: Theory, Practice, and Cases) in 2010 Winter

PPP in Japan—case studies on hospital PFI projects—

Demand risk in the Singapore Sports Hub

Channel tunnel rail link project in UK (1996–2007)

Structuring a good Public-Private Partnership project: a Singapore Sport Hub study case

To improve PFI in Japan—based on case studies about hospital PFI projects—

Sports Infrastructure PPP: The Singapore Sports Hub

Risks and risks management in Khimti Hydropower Project in Nepal

Future of PPP in hydropower development in Nepal

Summary of my learning from PPP course

Risk management in PPP project: a case study of Khimti Hydropower Project in Nepal

Development of PPP in China
