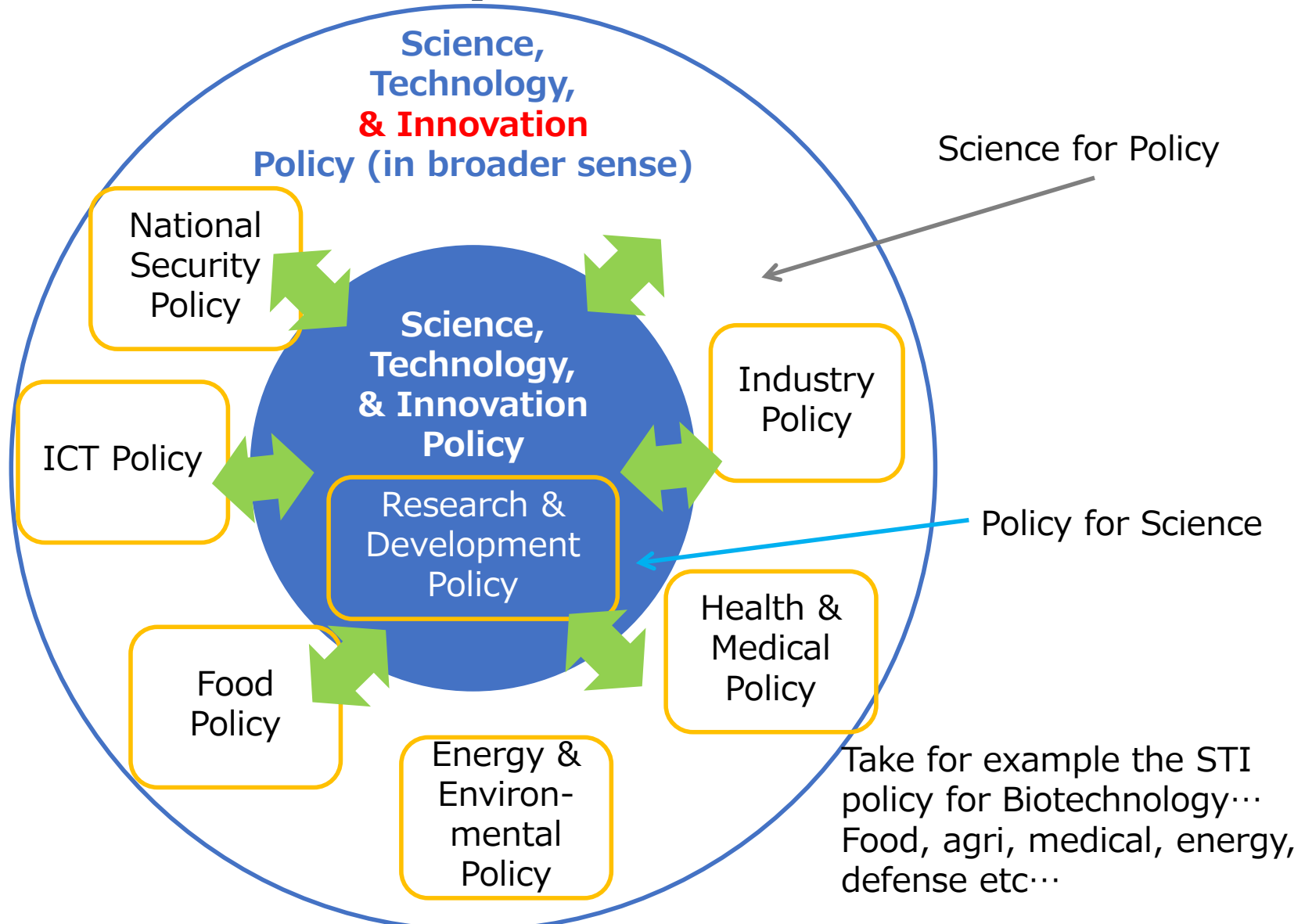


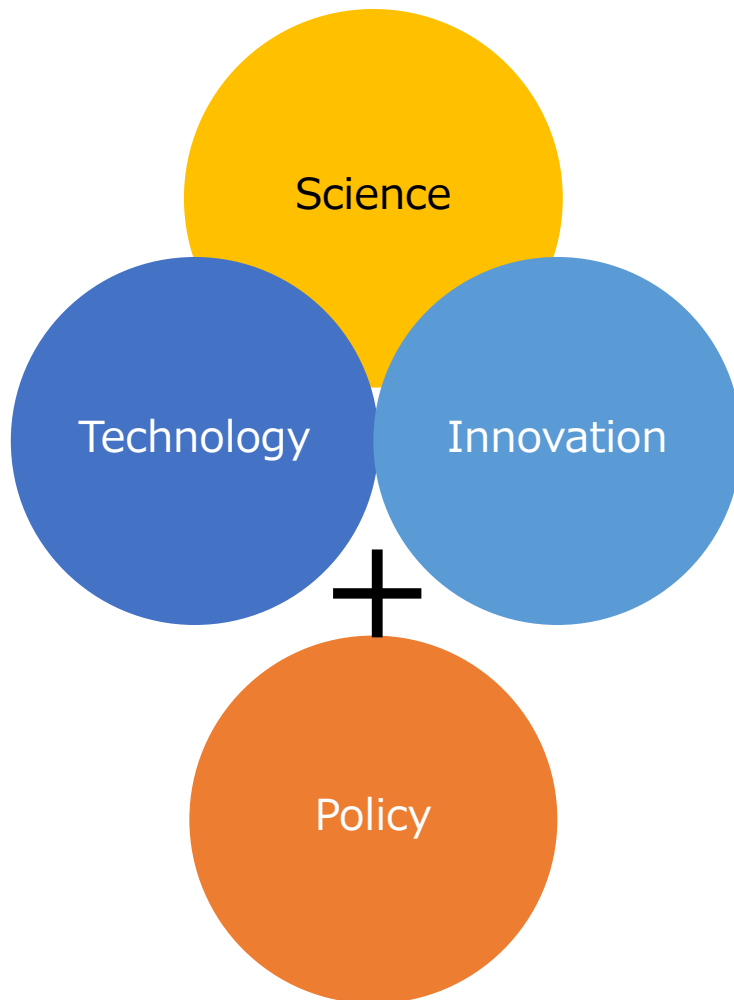
Course Design in a Nutshell

**STIG Case Study (Science, Technology,
and Innovation Policy) 2022**

What is STI Policy?



Why governance is needed?



- **STI can have profound impact**
- **Change/affect Society**
(Distributional implication, safety, values etc)
- **Inherent Uncertainty/Complexity**

... Need collaboration among actors
... Need appropriate evaluation
... Need appropriate management
... Need communication with the society



... **Need governance**

Factors Governance looks into

WHO



**Various
Actors**

Government

Private
Academia
Citizen
.
.
.

HOW



**Institutional
Arrangements
Rules**

Formal
Mandatory
Informal
Tradition
Custom
.
.

Management Coordination



**Social
coordination
Decision
making**

Top-down
Bottom up
Inter sectoral
.
.

Process



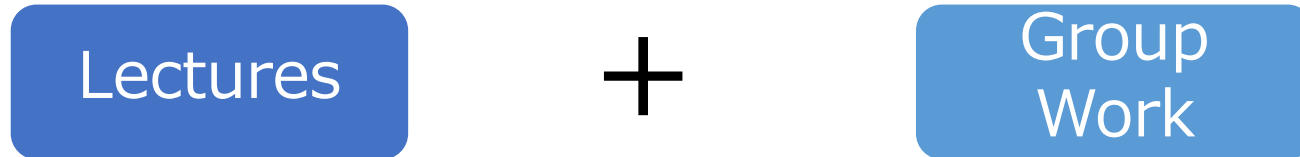
Dynamic
Continuous
process
.
.
.

**Analysis requires interdisciplinary
tools/methods/thinking**

Goals of this class– little bit of everything

- **Overviewing STI policy and Governance (omnibus lectures)**
 - Covers multiple topics in science, technology, and innovation policy, invite leading scholars/practitioners→STI policy is a developing academic field (core curriculum at SciREX)
- **Understand Interdisciplinarity (Group works)**
 - Need to collaborate with people having different academic background→develop ability to talk with (or empathy) people speaking different “languages (trained in different expertise/disciplines)”
- **And Acknowledge Diversity**
 - Need to overcome culture, language, and generation gaps
 - 注意：「英語→日本語」の通訳はありません。いい機会なので慣れましょう。

Overview of this course

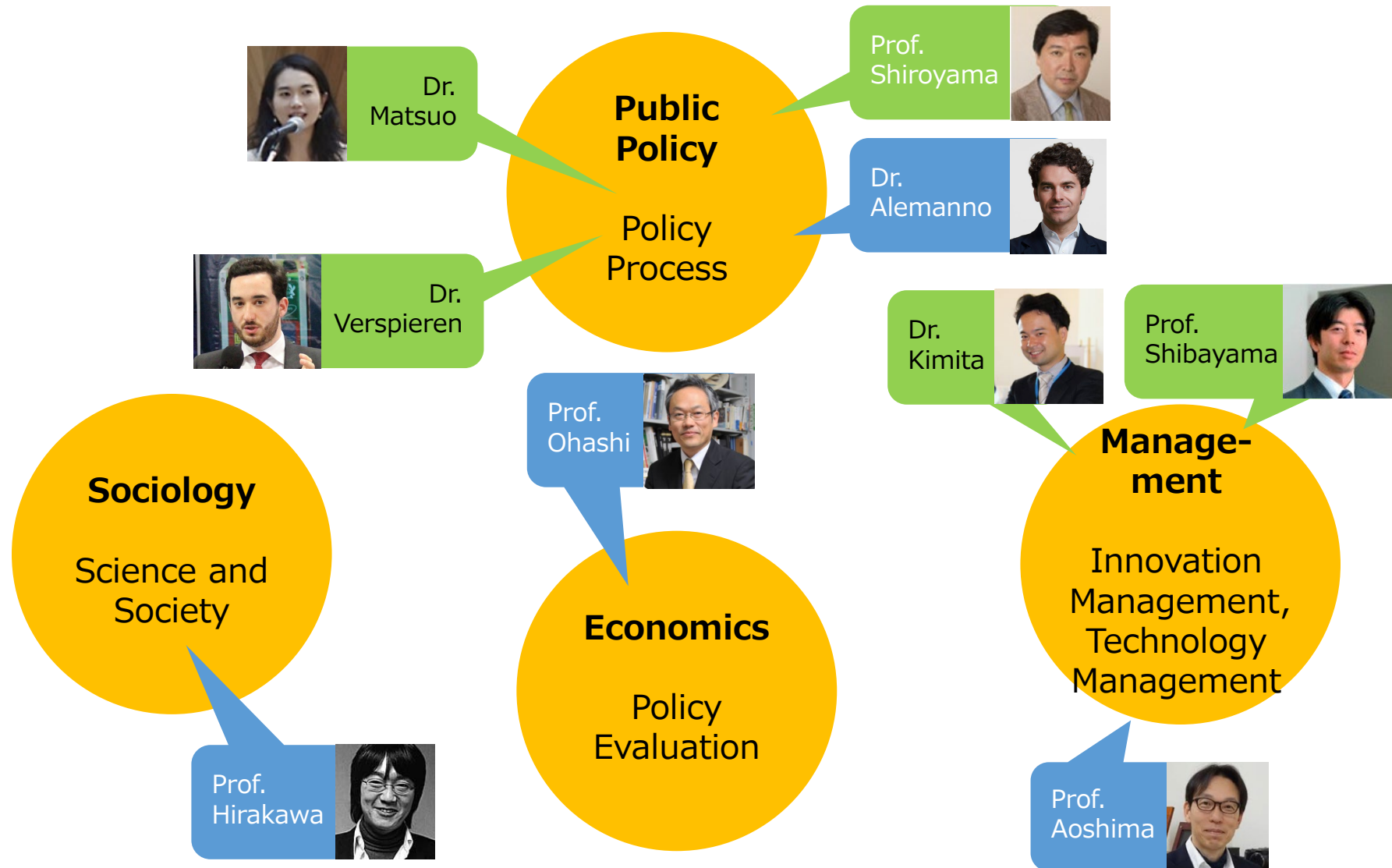


1. Science and Technology **Policy Processes**
2. Emerging Technologies and **Regulatory Science**
3. Public engagement, **citizen empowerment**
4. **Science, Technology, and Society**
5. **Business Administration and Innovation**
6. **Science for Economic Statistics and Policy**

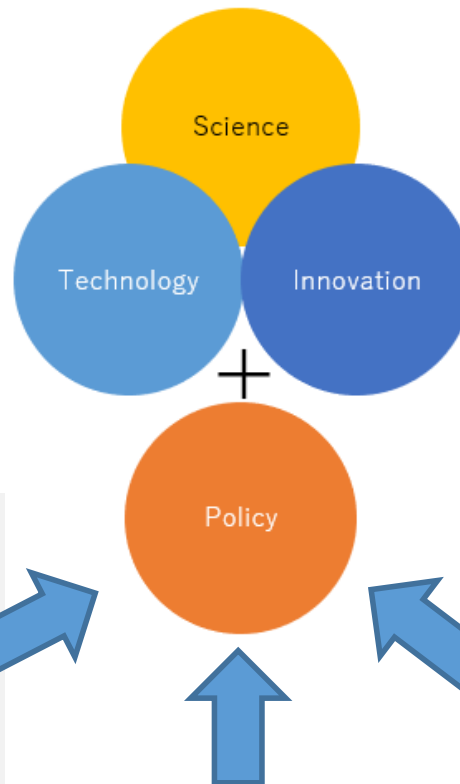
- A) STI governance
- B) Economic evaluation
- C) Business model design

NOTE: This class is held basically ON-LINE

Disciplines covered in this course



3 approaches to analyze/enhance Governance



Approach 1:

STI governance
Proper Management and Oversight for Embedding Science and Technology in Society (Instructor: Matsuo)

Approach 3:

Business model design for the emerging science & technology (Instructor: Kimita)

Approach 2:

Economic Evaluation of regulation or promotion of focal technology (Instructor: Shibayama)

Instructor:
Verspieren

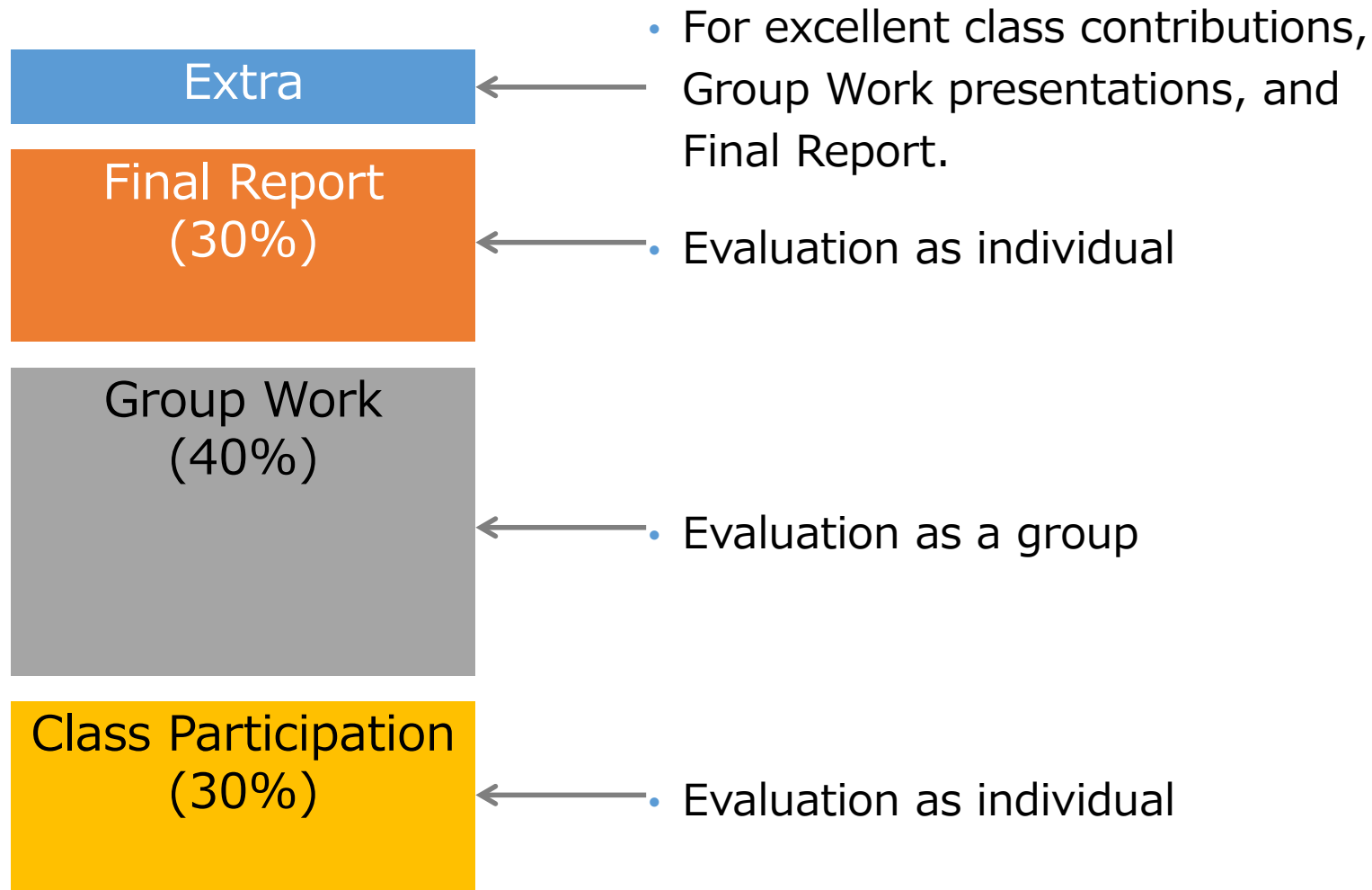
Schedule (1/2)

5 Oct.	Guidance on the STIG Program and Introduction to the Course
12 Oct.	Science and Technology Policy Processes (Professor SHIROYAMA Hideaki, GraSPP, UTokyo)
19 Oct.	Innovation Policy: Perspective of Economics (Professor OHASHI Hiroshi, Graduate School of Economics, Studies of Contemporary Economy)
26 Oct.	Group Work (1) (Shibayama, Matsuo, Kimita, Verspieren)
2 Nov.	Science, Technology, and Society (Professor HIRAKAWA Hideyuki, CSCD, Osaka Univ.)
9 Nov.	Lobbying for change, public engagement good lobbying (Professor Alberto ALEMANNI, HEC Paris/NYU/UTokyo/Georgetown Univ.) <Reference> - Alberto Alemanno (2017) Lobbying for Change - Find your voice to create a better society, Icon Books.

Schedule (2/2)

16 Nov.	Group Work (2) (Shibayama, Matsuo, Kimita, Verspieren)
30 Nov.	Data science of science (Professor SHIBAYAMA Soutaro, Institute for Future Initiatives)
7 Dec.	Group Work (3) (Shibayama, Matsuo, Kimita, Verspieren)
14 Dec.	Intermediate presentation
21 Dec.	Group Work (4) (Shibayama, Matsuo, Kimita, Verspieren)
4 Jan.	Business Administration and Innovation: The Role of Public Policies (Professor AOSHIMA Yaichi, Institute of Innovation Research, Hitotsubashi University)
11 Jan.	Final Presentation

Grading/evaluation



Assignment (Final report)

- EACH student is expected **to submit a report** based on his/her group-work exercise.
- Describe (1) the abstract of your group-work, and (2) provide your own insights and thoughts on your group-work also taking into account what you have learned from the lectures and presentations by other groups.
- **Deadline: 25 Jan. (Wed.) 17:00(JST*)** submit via STIG Google Form
- Language: **Japanese** (around 4,000 characters) or **English** (around 1,600 words)
- Format: A4 size word format

Assignment (Final report)

- Evaluation criteria:
 - Make sure that the report is **logically constructed**
 - Extra points are given to the report with policy implications, novel findings, and insights from lectures and other groups
 - Do not forget **to quote citations, and reference**, otherwise you will get penalty
 - Delayed submission of the report within a couple of days will be accepted, however, it will be negatively evaluated