

## Outline of the syllabus for “LAH.C620: Glocal Doctor Japan Y2”

### Course description and aims

The aim of this course is to create the forum which facilitates knowledge exchange among doctoral course students, students in master program and graduate students of other university etc. Students will learn the trends of advanced and interdisciplinary research and how to collaborate with diverse fields of scholars.

This course will develop students' ability to:

- (1) Address social issues with their expertise;
- (2) Collaborate with members from diverse background;
- (3) Understand research ethics and codes of conducts for researchers;
- (4) Create intellectual exchange opportunities;

Then, this course hopes to create and expand human network, centered on doctoral students, in Tokyo Tech.

### Student learning outcomes

At the end of this course, students will be able to:

- 1) conduct advanced and interdisciplinary studies.
- 2) take group work and communicate with students with different fields and foreign students also in English.
- 3) present the results of their group-work in the postal presentation style.
- 4) acquire leadership, ability to conduct interdisciplinary research, and communication skills.
- 5) address social issues with their expertise;
- 6) collaborate with members from diverse background;
- 7) understand research ethics and codes of conducts for researchers;
- 8) create intellectual exchange opportunities;
- 9) contribute to create and expand human network, centered on doctoral students, in Tokyo Tech.

### Keywords

Group Work, Leadership, Collaboration, Researchers ethics, Social issues

### Competencies that will be developed

- ✓ Specialist skills
- ✓ Intercultural skills
- ✓ Communication skills
- ✓ Critical thinking skills
- ✓ Practical and/or problem-solving skills

### Class flow

Approximately 40 students can register with “LAH.A542: Glocal Japan Y2.” In case applying over 40 students, registration will be restricted (See, "Prerequisites" and "Others" of this syllabus).

Intensive program of 7 sessions in 4 days between February 24 to March 3, 2021 (See, “Course schedule” of this syllabus)

Theme: Design for Humanity: Preservation and Utilization of Water

All sessions will be held on-line by using Zoom.

### Course schedule/Required learning

Course schedule	Required learning
Day 1: Feb. 24 (Wed.), 2021 Session 1: 09:00-11:00 (am) Session 2: 16:00-17:00	Day 1 Submit “Intellectual Property Protection” Submit “Ideas on TAPP” Submit “List of Members and Communication Methods in Team” Submit “Abstract of Team Presentation on TAPP”

<p>Day 2: Feb. 26 (Fri.), 2021  Session 3: 09:00-11:00 (am)  Session 4: 16:00-17:00</p> <p>Day 3: Mar. 1 (Mon.), 2021  Session 5: 09:00-11:00 (am)  Session 6: 16:00-18:00</p> <p>Day 4: Mar. 3 (Wed.), 2021  Session 7: 09:00-11:00 (am)</p>	<p>Day 2  Submit “Three Items of Code of Conduct for Team”  Submit “Ideas for TPPT by Person”  Submit “Target Problem of TPPT by Team”  Submit “Roles and Schedule for Developing TPPT by Team”  Submit “Team and Individual Achievements on TPPT”</p> <p>Day 3  Submit “Tips on Poster and Presentation”  Submit “Abstract of Team Presentation on TPPT by Team”  Submit “Poster for TPPT by Team”</p> <p>Day 4  Submit “Review Sheet”  Submit “Comment Sheets”  Submit “Replies from Team to the comments”  Submit “Revised versions of Abstract and Poster”</p>
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#### Textbook(s)

N/A

#### Reference books, course materials, etc.

Kosoen (壺草苑) (in Japanese)  
<https://kosoen.com/> [Retrieved January 20, 2021]

Japanese Indigo Dyeing: “Aizome”  
<https://kosoen.com/eng> [Retrieved January 19, 2021]

Hamura Intake Weir (羽村取水堰) (Wikipedia in Japanese (ウィキペディア日本語版))  
<https://ja.wikipedia.org/wiki/羽村取水堰> [Retrieved January 20, 2021]

Tamagawa Aueduct (Wikipedia in English (ウィキペディア英語版))  
[https://en.wikipedia.org/wiki/Tamagawa\\_Aqueduct](https://en.wikipedia.org/wiki/Tamagawa_Aqueduct) [Retrieved January 19, 2021]

玉川上水 (Wikipedia in Japanese (ウィキペディア日本語版))  
<https://ja.wikipedia.org/wiki/玉川上水> [Retrieved January 20, 2021]

“Basic concept of groundwater use in cities - Good relationships with groundwater” (in Japanese)  
『都市における地下水利用の基本的考え方〔地下水と上手につき合うために〕』(日本語) (西垣誠監修、共生型地下水技術活用研究会編、(社) 全国地質調査業協会連合会共生型地下水技術活用研究会発行、2007)  
<https://www.zenchiren.or.jp/market/pdf/c080226.pdf> [Retrieved January 20, 2021]

"Delicious water with 100% groundwater" (in Japanese), Akishima City, Latest Revision November 13, 2019  
『地下水100%のおいしい水』、昭島市、2019.11.13 更新  
<https://www.city.akishima.lg.jp/s108/010/050/20140904152016.html> [Retrieved January 20, 2021]

“Marine Plastic Litter,” Ministry of Foreign Affairs of Japan  
[https://www.mofa.go.jp/ic/ge/page25e\\_000309.html](https://www.mofa.go.jp/ic/ge/page25e_000309.html) [Retrieved January 19, 2021]

#### Assessment criteria and methods

Participation in all sessions; Assignments; Contribution to team; Presentation

**Related courses**

LAH.A541 : Glocal Japan Y1

LAH.A542 : Glocal Japan Y2

LAH.C619 : Glocal Doctor Japan Y1

**Prerequisites (i.e., required knowledge, skills, courses, etc.)**

Applicants will be selected by the administrative office according to the application form.

Participation in all sessions is required.

See the following HP for more detail.

<http://www.ggs.shs.ens.titech.ac.jp/>

**Contact information (e-mail and phone)**

spring2021[at]ggs.shs.ens.titech.ac.jp

Notice : Please replace from "[at]" to "@"(half-width character).

**Office hours**

Make an appointment by email.