

## 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 Monday 20 February 2023 to Tuesday 28 February, 2023 (See, “Course schedule” of this syllabus)

Theme: Design for Humanity: Preservation and Utilization of Water

### **Venue**

Room 714, 7th Floor, West 9 Building, Ookayama Campus

All sessions are planned so that students will come to the lecture room and participate in various activities. However, we will set up Zoom meetings for students with sudden health problems so they can participate online..

## Course schedule/Required learning

| Course schedule  | Required learning   |
|--|---|
| Day 1: Mon. 20 Feb. 2023<br>-Session 1: 08:50-10:30<br>-Session 2: 10:45-12:25 | Day 1<br>Submit “The Policy on Intellectual Property Protection”<br>Submit “Ideas on TAPP”<br>Submit “List of Members and Communication Methods in Team”<br>Submit “Abstract of Team Presentation on TAPP”  |
| Day 2: Wed. 22 Feb. 2023<br>-Session 3: 08:50-10:30<br>-Session 4: 10:45-12:25 | Day 2<br>Submit “Three Items of Code of Conduct for Team”<br>Submit “Ideas for TPPT by Person”<br>Submit “Target Problem of TPPT by Team”<br>Submit “Roles and Schedule for Developing TPPT by Team”<br>Submit “Team and Individual Achievements on TPPT” |
| Day 3: Fri. 24 Feb. 2023<br>-Session 5: 08:50-10:30<br>-Session 6: 10:45-12:25 | Day 3<br>Submit “Tips on Poster and Presentation”<br>Submit “Abstract of Team Presentation on TPPT by Team”<br>Submit “Poster for TPPT by Team”   |
| Day 4: Tue. 28 Feb. 2023<br>-Session 7: 10:45-12:25                            | Day 4<br>Submit “Review Sheet”<br>Submit “Comment Sheets”<br>Submit “Replies from Team to the comments”<br>Submit “Revised versions of Abstract and Poster”   |

## Textbook(s)

N/A

## Reference books, course materials, etc.

Kosoen (壺草苑) (in Japanese)

<https://kosoan.com/>

[Retrieved 22 December 2022]

Japanese Indigo Dyeing: “Aizome”

<https://kosoan.com/eng>

[Retrieved 22 December 2022]

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 22 December 2022]

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 22 December 2022]

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 22 December 2022]

“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 22 December 2022]

"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 22 December 2022]

“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 22 December 2022]

“Drought around the world, August 2022, in dramatic images”

<https://earthsky.org/earth/drought-around-world-2022-revealing-hidden-artifacts/>

[Retrieved 22 December 2022]

### **Assessment criteria and methods**

Grades will be judged on a pass/fail basis.

Participation in all sessions, active contribution to group work, and submission of all assignments are required to pass this course.

### **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.

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

spring2023[at]ggs.shs.ens.titech.ac.jp

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

### **Office hours**

Make an appointment by email.

See also :

Glocal Global School Website:

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