



Tokyo Tech

Department of **Transdisciplinary Science and Engineering** 3rd Year Orientation

April 24, 2020

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Curriculum Officer Prof. Yukihiro Yamashita

Timetable

- Due to the spread of new coronavirus infection, the timetable was delayed. Please note that the timetable for Q2 may change in the future.
- We'll keep this updated as much as we can.
- Registration for Q1 and Q2 are conducted separately.
Q1: April 28 to May 18, 2020
Q2: June 12 to July 6, 2020



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Timetable

1st Quarter 2020 (For GSEP 3rd Year Students)								(Last updated April 23, 2020)
Time		Mon	Tue	Wed	Thu		Fri	Intensive
8:50 9:40 10:30	1	Academic Presentation 9 LAE.E341 1 credit	Research Opportunity in Laboratories (TSE)*** TSE.Z381-02 2 credits (Also conducted at different time slots)		Oral Expression in English 9 LAE.E331 1 credit		Project Management TSE.C303 2 credits	Japanese 9 [GSEP]** LAJ.J301-01 1 credit
	2							
10:45 11:35 12:25	3	Communication and network TSE.A322 2 credits		Topics on Japan II LAW.X328 1 credit	Communication and network TSE.A322 2 credits			
	4							
13:30 14:20 15:10	5	Trandisciplinary Engineering Experiment A TSE.A351-02 1 credit	Basic theory of regional and global environment 1 TSE.A335 2credits	English Speech Seminar 13[1] LAE.E471-01 1 credit"	Oral Expresion in English 5[2] LAE.E231-02 1 credit	TOEFL Seminar (Reading and Writing) 9 LAE.E355 1 credit	Basic theory of regional and global environment 1 TSE.A335 2credits	
	6							
15:25 16:15 17:05	7						Special Lecture: Introduction to edX online course creation LAH.H310 1 credit	
	8							



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Ethics Education

- Level 1: 1st year to 3rd year in bachelor's program
(before starting “Independent Research Project”)
- Level 2: 4th year in bachelor's program (From the start of “Independent Research Project”) to master's program
- Level 3: Doctoral program

Liberal Arts Courses

- ◎Tokyo Tech Visionary Project(LAH.C101)
- Ethics in Engineering A/B/C(LAH.T105, T206, T305)
- Frontiers of science and technology (LAS.F101)

Major Courses

- Processes for creation in science and technology 【School of Environment and Society】(XES.P101)
- School of Environment and Society Academic Group Literacy (XES.A101)
- ◎Research Opportunities at Laboratories(TSE.Z381)
- ◎Independent Research Project (TSE.Z389)



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Online Bulletin

GSEP Mailing List and Group Messaging

On-campus website

<http://www.tse.ens.titech.ac.jp/en/>

“For GSEP members”



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Measures against COVID19

**Keep in close communication with
your "Academic Advisers"**

Check the link below for the latest information from
the university:

<https://www.titech.ac.jp/english/enrolled/health/coronavirus.html>



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Lectures for Q1 and Q2

- Lectures for Q1 will be held via Zoom.
 - Attend classes virtually at home.
 - Personal computer (PC) is prepared in case.
 - Utilize broadband internet connection.
 - If it is difficult to prepare a private PC or internet environment, consult with academic advisor.
 - At the moment, online classes will continue until Q2.
 - Official information from Tokyo Tech regarding courses will be sent to your Tokyo Tech email accounts.
- Tip: Switch on mail forwarding.



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Research Opportunities at Laboratories

- By allowing you to experience “research” at an early stage, you will be able to explore specific interests leading to a highly specialized graduate education.
- This is a required course that must be taken before you undertake “Independent Research Project”.
- One student group **visits 4 laboratories**.
 - The department will randomly decide the 4 laboratories for the group.
 - To be implemented on Q3.
- If any of the following conditions are met, students may take them in Q1. (**Q2 for this year 2020**)
 - Eligible for early graduation
 - A plan to study abroad or join internship for more than a month on Q3.
 - Already in the 4th year since joining the department.



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Early Laboratory Admission

- Early admission
 - 3rd year students of TSE can begin conducting research from **December** (after “Research Opportunities at Laboratories” course).
 - Joining lab earlier leads to deeper research.
 - Follow the rules of the lab supervisor.
- Requirement:
 1. Year-level: 3rd year and higher
 2. Unit: **62 or more units** must be acquired by Q2 of the same year (subjects that contribute to graduation credits).



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Early Laboratory Admission (Process)

- Available labs:

Labs managed by **primary and secondary faculty members** (full professors and associate professors) of TSE

- Student priority: Admission quotas are implemented for labs. **Priority is given to students with high grades.** Following rule is set:
 - Any student can enter a lab with no prior admissions from the same batch / level.
 - Students can join a lab with already one admitted student from the same batch / level given that they are:
 - Ranked above $\frac{1}{2}$ of the GSEP students of the same batch.
 - Students can join labs of secondary faculty members having only 1 student.
- **Grade evaluation by GPT will be up to Q2 of the year.**



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Precaution

- During Q3, a **preliminary survey will be conducted**. In that timing, available laboratories will be publicized.
- **Separate selection process** for Japanese course students and GSEP students. Maximum allowed per lab
primary: 4 students (2 for Japanese course; 2 for GSEP) **secondary**: only 1
- If you are provisionally certified for early graduation, you can belong a lab from 3rd year Q3 (September) with priority selection. The number of members in the laboratory will be adjusted once the student enters.
- If you are studying abroad for a long period of time, relaxation of credit requirements may apply for early lab admission.
- If you already have early lab admission but could not “start” Independent Research Project by 3Q of the 4th year, you can reapply for admission. The grade evaluation by GPT will be based on the applicants of the year’s of reapplication.



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Application requirements for Independent Research Project

Common requirements of the entire university (Refer to Study Guide)

Amendment: 44 and 50 in "Major course group" in Table 3
(Table 2 is still same)

Standard study program	Eligibility for Application for Independent Research Project for Bachelor's Degree (Research opportunity course is recorded as "Research Opportunity Project")	Eligibility for graduation (Research opportunity course is recorded as "Research Opportunity Project" and independent research project for the Bachelor's Degree is recorded as "Special Topic Research")
Undergraduate major in Transdisciplinary Science and Engineering	54 44 (28 ◎, 2 Research Opportunity Project)	60 50 (30 ◎, 2 Research Opportunity Project, 6 Special Topic Research)



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Required Liberal Arts credits for GSEP

- In addition to Table 2 of the study guide, amendments for liberal arts courses are implemented for GSEP students.
- Review the requirements through the link:
<https://www.titech.ac.jp/english/enrolled/life/resources/pdf/agreement.pdf>



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GSEP Japanese Language and Culture Courses 2020

Japanese language course orientation and first Japanese class for 1st year students: **May 7th, 15:35-17:05 (by Zoom)**

Japanese language courses for undergraduate students

100-level (1st year)

Japanese 1(1Q): Tuesday 13:30~ and Thursday 15:25~

Japanese 2(2Q), 3(3Q) and 4(4Q): Tuesday 13:30~ and Thursday 10:45~

200-level (2nd year)

Japanese 5(1Q) and 6(2Q): Wednesday 15:25~

Japanese 7(3Q) and 8(4Q): Wednesday 13:30~

300-level (3rd year)

Japanese 9(1-4Q): see note 2

GSEP students who will take Japanese language classes may do the following procedures by **May 6th**:

- 1) Make an account on Japanese Class Online System at JCOS (will open on April 27th) (<https://cuckoo.js.ila.titech.ac.jp/~yamagen/regi>)
- 2) Take an online placement test at the following site (<https://cuckoo.js.ila.titech.ac.jp/~yamagen/placement/>)
- 3) Send an email message to **Prof. M. Komatsu** (komatsu.m.ae@m.titech.ac.jp) with "GSEP 2020" as a subject, and mail body must contain your name, student ID, and Japanese language level (B3, I1 etc.) obtained after your JCOS placement test.

