

Resilience Research and Education Promotion Consortium
The 5th General Assembly Agenda

- 1 Date and Time: Tuesday, May 10, 2022, 1:30 p.m. - 3:00 p.m. (Japanese Standard Time)
- 2 Venue: Online (Zoom)
- 3 Agenda items:

I. The cases of the Resilience Research and Education Promotion Consortium

[Proposal]

(1) Annual Activity Plan for 2022 (Document 1, page 5)

Based on Document 1 (page 5), the revision of the annual activity plan for 2022 will be confirmed.

- Symposium: In addition to the symposium held in October, we plan to hold the third joint symposium with Joint Seminar Gensai (Disaster Reduction) around February (Dr. Reo Kimura of Joint Seminar Gensai has kindly invited us to do so again this year).
- Others: "Meeting between each participating institution and University of Tsukuba" proposed at the last Steering Committee meeting will be scheduled to held between May and July. Also, the "Pitch Meeting," which was also proposed at the last Steering Committee meeting, is scheduled to be held between October and December.

(2) Meeting between each participating institution and University of Tsukuba (Document 2, page 6)

Based on Document 2 (page 6), an overview of the "Visiting each participating organization (Meeting with University of Tsukuba)" scheduled to take place between May and July will be explained.

- The members of the University of Tsukuba (Endo, Okajima, Ishihama, Nemoto and a faculty member from each organization) will visit each participating organization individually (face-to-face/online) to discuss about past and future of the R2EC activities.
- The secretariat will contact you this week to arrange the meeting schedule. We will ask each organization about the date and time of the meeting, the type of meeting (face-to-face/online), and who will be able to attend the meeting.

(3) Pitch Meeting Proposal (Document 3, page 7)

Based on Document 3 (page 7), an overview of the "Pitch Meeting" scheduled to be held from October to December will be introduced. In order to support the creation of joint research among participating institutions, a "Pitch Meeting" is scheduled to be held at which each participating institution will present its research projects.

(4) Other

[Reports]

(1) Participating institutions who will accept internships from University of Tsukuba in 2022 (Document 4, page 8-)

Based on Document 4 (page 8-), the participating institutions that are willing to accept internships for students this year will be reported. 1 student has already started his/her internship at ENRI this spring.

(2) Application for JST "The program on open innovation platform for industry-academia co-creation (COI-NEXT) " [https://www.jst.go.jp/pf/platform/file/2022/2022_coi-next_yokoku_jst.pdf]

Based on the webpage above (Japanese only) , it will be informed that an application for COI-NEXT is scheduled to be submitted mainly by the NIED and the University of Tsukuba.

(3) The 20th Board of Governors Meeting held on April 11, 2022 (Document 5, page 11-)

Based on Document 5 (page 11-), the agenda of the 20th Board of Governors Meeting held on April 11 will be reported.

(4) Other

II. The Cases of the Master's / Doctoral Program in Risk and Resilience Engineering, University of Tsukuba

[Proposal]

(1) Others

[Reports]

(1) Enrollments from the R2EC participating institutions (Document 6, page 13)

Based on Document 6 (page 13), the number of students enrolled this year from the consortium participating institutions is reported. Unfortunately, there were no current enrollments from participating institutions this year, but one former researcher from the NIED has enrolled in the doctoral program.

(2) Number of students supervised by the faculty member of the Collaborative Graduate School (Document 7, page 14)

Based on Document 7 (page 14), the number of students supervised by the faculty members of the collaborative graduate school will be reported. This year, a total of 7 students were supervised by them as main-supervisors and 52 students were supervised by them as sub-supervisors.

(3) List of Courses Taught by Consortium Participating Institutions in 2022 (Document 8, page 15)

Based on Document 8 (page 15), the courses to be taught by the participating institutions this year will be reported.

(4) Implementation of face-to-face and online classes in the spring semester of 2022 (Document 9-1~9-2, page 16-)

Based on the documents 9-1 to 9-2 (page 16-), the policy for conducting classes in the spring semester of this year will be informed. Both face-to-face and online classes are available this year, and consideration is also being given to students who do not wish to or cannot participate in face-to-face classes. For classes taught by the faculty members of Collaborative Graduate School and Part-Time Lecturers, the form of implementation is decided after consultation with the Univ. of Tsukuba's faculty members who are the caretakers of each classes.

(5) Other

(Handout)

List of attendees of the 5th General Assembly, page 4.

Document 1: Annual Activity Plan for 2022, page 5.

Document 2: Meeting between each participating institution and University of Tsukuba, page 6.

Document 3: Pitch Meeting Proposal, page 7.

Document 4: List of the host institutions for internship in 2022, page 8-.

*Document 5: Minutes of the 20th Board of Governors Meeting, page 11-.

Document 6: List of enrollments from the R2EC participating institutions, page 13.

Document 7: Number of students supervised by the faculty members of Collaborative Graduate School,
page 14.

Document 8: List of Courses Taught by Consortium Participating Institutions in 2022 (tentative), page 15.

Document 9-1: Implementation guidelines of face-to-face classes and online classes in the spring semester
of AY 2022, page 16-.

Document 9-2: [Reference] Academic Year Calendar 2022-2023, page. 22.

* indicates the documents written only in Japanese.

List of Attendees of the 5th General Assembly

(honorifics omitted, indicates those who are absent)

Attendance	Institution	Committee Member	Committee Member's Proxy	Observer(s)
Present	SECOM Co., Ltd.	Group Leader, Risk Management Group, IS Laboratory AMARI Yasufumi		Group Leader, Planning Group, IS Laboratory TAKADA Naoyuki
Present	Dai Nippon Printing Co., Ltd.	Group Leader, Medical and Health Care Div. SANAMI Sho		
Present	NEC Corporation	Senior Researcher, Security Research Laboratory YAGYU Tomohiko		
Present	Tokyu Property Management Co., Ltd.	Deputy Director, BC Research Center MASHIRO Gengaku		
Present	NTT Space Environment and Energy Laboratories	GM of Planning Dept. / PM of Resilient Environmental Adaptation Research Project OKAZAKI Katsuhiko		
Present	DRI Japan	President NAGASE Kanryu		
Present	Central Research Institute of Electric Power Industry (CRIEPI)	Senior Staff Member, Planning Group(Research Management) HOSHIKAWA Ei	Staff, Planning Group FUNABASHI Suguru	Senior Researcher, ENIC Div., Grid Innovation Research Laboratory YAMAMOTO Hiromi
Present	Japan Automobile Research Institute (JARI)	Senior Researcher, Automatic Driving Research Department ABE Genya		
Present	Electronic Navigation Research Institute (ENRI)	Director, Air Traffic Management FUKUSHIMA Sachiko		
Present	National Institute of Advanced Industrial Science and Technology (AIST)	Director, Research Institute of Science for Safety and Sustainability, Dep. of Energy and Environment GENCHI Yutaka		Chief Planning Manager, Energy and Environment Research Planning Office IWASAKI Yuichi
Present	National Research Institute for Earth Science and Disaster Resilience (NIED)	President HAYASHI Haruo		Planning Department Director NISHIDA Ryoza Deputy Director MATSUMOTO Takumi -Research Promotion Division Chief KURAYA Sadaaki Unit Leader TASHIRO Maya
Present	National Institute of Occupational Safety and Health, Japan (JNIOSH)	Director, Mechanical System Safety Research Group SASAKI Tetsuya	Senior Researcher, Mechanical Systems Safety Research Group OKABE Kohei	
Present	National Science and Technology Center for Disaster Reduction (NCDR)	Secretary General LI Wei-Sen		
Present	University of Tsukuba	Professor, Dean of the Degree Programs in Systems and Information Engineering ENDO Yasunori		Academic Service Office for the Systems and Information Engineering Area Head SAITO Masahiko -Unit of Graduate School Affairs Unit Leader KURIHARA Kota Education Administrator NEMOTO Minami
Present		Professor, Chair of the Master's/Doctoral Program in Risk and Resilience Engineering OKAJIMA Keiichi		
Present		Academic Service Office for the Systems and Information Engineering Area, Director-General of the R2EC ISHIHAMA Satoru		

* The parts written in red are the parts that have been corrected.

Annual Activity Plan for 2022 (ver.3)

Y/M	General Assembly and Steering Committee	Board of Governors	Symposium and Seminars	Degree Programs in Risk and Resilience Engineering (Master's: M, Doctoral: D)	Others
April, 2022		The 20th Board of Governors Date/Time: April 11, 10:00- 11:00 am JST Venue: Online		Virtual Open Campus April 24, 9:00 am -4:30 pm Online	
May	The 5th General Assembly Date/Time: May 10, 1:30- 3:00 pm Venue: Online				Meeting between each participating institution and University of Tsukuba May - July Date/Time and Venue (face-to-face or online) will be arranged individually.
June					
July		The 21st Board of Governors Date/Time: July 19, 10:00- 11:00 am JST Venue: Online		[Admission]Special Selection Process for Recommended Applicants/Special selection for admission to Doctoral Programs from Master's Programs of the University of Tsukuba July 6	
August				[Admission]Doctoral Program August 24, ★August 27 [Admission]Master's Program August 25	
September					
October	The 6th Symposium/The 13th Steering Committee/The 22nd Board of Governors Date/Time: TBD (10:00-11:00 am (BoG), 11:00 am-0:00 pm (SC), 1:30-5:00 pm (Symposium) * All JST) Venue: TBD				
November			Pitch Meeting Date/Time: TBD (October - December) Venue: TBD (Online or Tokyo)		
December					
January, 2023				[Admission]Master's Program January 26 [Admission]Doctoral Program January 27, ★January 28	
February		The 23rd Board of Governors Date/Time: TBD (10:00- 11:00 am JST) Venue: Online	The 3rd Joint Symposium with Joint Seminar Gensai Date/Time/Venue: TBD		
March	The 14th Steering Committee Date/Time: TBD (1:30- 3:00 pm JST) Venue: TBD				

Note: ★ Special Selection Process for Working Individuals (Doctoral Program) will be held at Tokyo Campus as well as Tsukuba Campus.

Meeting between each participating institution and University of Tsukuba

Purpose: The University of Tsukuba will visit each participating institution from May to July 2022 to review the educational and research activities of the consortium and degree program so far and exchange opinions. *Visiting members from University of Tsukuba: 4-5 include Endo, Okajima, Ishihama and Nemoto

[Schedule and content]

Participating institutions (w/o University of Tsukuba)	Date & Time	Location (Face-to-face/online)	Attendees	Items to be discussed (proposal)
SECOM Co., LTD.				
Dai Nippon Printing Co., Ltd. (DNP)				
NEC Corporation				
Tokyu Property Management Co.,Ltd.				
NTT Space Environment and Energy Laboratories				
DRI Japan				
Central Research Institute of Electric Power Industry (CRIEPI)				
Japan Automobile Research Institute (JARI)				
Electronic Navigation Research Institute (ENRI)				
National Institute of Advanced Industrial Science and Technology (AIST)				
National Research Institute for Earth Science and Disaster Resilience (NIED)				
National Institute of Occupational Safety and Health, Japan (JNIOSH)				
National Science and Technology Center for Disaster Reduction (NCDR, Taiwan)				

The University of Tsukuba will exchange opinions with each participating organization on the following items.

- Matters related to the Consortium
 - Summary of past activities
 - What your institution would like to incorporate into the consortium
 - Joint research within the consortium
 - Expectations for the future of the Consortium
 - About the Pitch Meeting, etc.
- Matters related to the degree programs of University of Tsukuba
 - About the internship
 - The role of faculty members of Collaborative Graduate School and Part-time Lecturers
 - What kind of recurrent education does your institution want? (Disciplines, methods, and environments of education and research)
 - The direction of human resource development at your institution, etc.

Individual coordination
with each institution

Pitch Meeting Proposal

● Purpose

The Consortium was established with the goal of becoming an innovator in the field of risk resilience, and we are fortunate to have a diverse group of world-leading institutions in various fields participating in the Consortium.

Therefore, in order to deepen research exchange within the Consortium and to support the creation of joint research among participating institutions, we would like to hold a "Pitch Meeting" in which each participating institution presents its research project.

We look forward to receiving a wide range of proposals and active participation, which we hope will lead to deeper collaboration, such as joint research within the consortium in the future.

We hope that this pitch meeting will serve as an opportunity to promote collaborative research within the Consortium.

● Outline

Date and time: October - December 2022

(1 to 3 sessions are planned depending on the number of presentations)

Location: Face-to-face/online, or hybrid format to be determined

- 3 to 4 presentations will be scheduled per session (1.5 to 2 hours).
- Per presentation, we will have:
 - About 10 minutes for Presentation
 - About 15 minutes for Q&A
- *Multiple presentations from one institution are welcome.

● Anticipated content of presentation

Please introduce your research, technology, etc. for the following purposes:

- To participate in joint research conducted by other institutions.
- To find a partner for joint research using my institution's budget.
- To find a partner for joint research funded by funds from outside the participating institutions.
- To obtain external funding with other institutions and conduct joint research together with them.

● Schedule

May-July 2022: Exchange of ideas about pitch meeting with University of Tsukuba

August-September 2022: Call for presenters (presenting institutions)

October-December 2022: Pitch meetings

(1 to 3 sessions are planned depending on the number of presentations)

▼ Institutions that offer “order-made” internships

Short-term: 2 weeks to 1 month (no credit)
Mid-term: 1 to 2 months (Internship A, 1 credit)
Long-term: 2 to 3 months (Internship B, 2 credits)

(as of April 1, 2022)

Name of institution	Place of implementation		Period of implementation*			Remarks
	face-to-face	on line	short term	mid term	long term	
DRI Japan	-	✓		negotiable		None in particular.
Central Research Institute of Electric Power Industry (CRIEPI)		undecided		negotiable		Designated research field: Energy and Environmental Systems Acceptance will be discussed on a case by case basis.
Japan Automobile Research Institute (JARI)	✓	-	✓	-	-	Number of students to be accepted: 1 Possible period of acceptance: July to November 2022 We welcome those who are interested in understanding the characteristics of people when driving a car by acquiring and analyzing data on human driving behavior using various experimental vehicles of the JARI.
Electronic Navigation Research Institute (ENRI)		hybrid (Face-to-face and online)		negotiable		Prior coordination with the person in charge at the ENRI is required regarding the location, period of implementation, and the required skills.
National Institute of Advanced Industrial Science and Technology (AIST)		hybrid (Face-to-face and online)		negotiable		1. Designated research field: Research fields related to chemical substance risk assessment In addition to computer programming skills such as data visualization, chemical theory calculation, and machine learning, we also welcome those who are willing to develop experimental skills (especially in chemical engineering) for data collection, which is the basis of our research on chemical risk assessment. 2. Designated research field: Research fields related to Life Cycle Assessment (LCA)
National Research Institute for Earth Science and Disaster Resilience (NIED)		hybrid (Face-to-face and online)	✓	-	-	Number of students to be accepted: about 3 students Possible period of acceptance: October 2022 to March 2023 Required: - Those who are interested in hazard and risk assessment of earthquakes and tsunamis - Those who are interested in disaster prevention and disaster information - Those who are interested in hazard and risk assessment of landslides
National Institute of Occupational Safety and Health, Japan (JNIOSH)		hybrid (Face-to-face and online)	-	-	✓	None in particular
National Science and Technology Center for Disaster Reduction (Taiwan)	✓	✓	✓	✓	✓	Implementation of a face-to-face internship in Taiwan depends on the situation of COVID-19. Please contact the internship supervisor if you are interested, as online consultation (before application) with the NCDR staff member is available. Chinese students are not accepted for a face-to-face internship, but online internship is available for them.

▼ Institutions offering "defaulted" internships

(as of April 1, 2022)

name of corporate body	The default internship information is Web page you can check	remarks
SECOM Co., LTD.	https://www.secom.co.jp/isl/	2022 Summer Internship yet to be determined, but planned to be as follows. • Both Master's and Doctoral students are accepted • Online • Implementation period: 3-4 weeks
NEC Corporation	http://nec-recruiting.com/event/event_internal.php	
Electronic Navigation Research Institute (ENRI)	https://www.enri.go.jp/	The details of the 2022 internship will be posted on the website in due course.
National Research Institute for Earth Science and Disaster Resilience (NIED)	https://www.bosai.go.jp/information/tender/intern/index.html	The details of the 2022 internship will be posted on the website in due course.

[AY2019]

National Research Institute for Earth Science and Disaster Resilience (NIED)

Research topic:

Research on information sharing for disaster response

Period: July – August, 2019 (10 days)

Participant: A 1st year student of the Master's program
(at the time of participation)

[AY2020]

Electronic Navigation Research Institute (ENRI)

Research topic:

Team workload in air traffic control operations research on measurement methods

Period: February - March, 2021 (About 20 days)

Participant: A 1st year student of the Master's program
(at the time of participation)

[AY2021]

Japan Automobile Research Institute (JARI)

Research topic:

Assistance of experimental projects related to human factors and autonomous driving

Period: September - October, 2021 (About 30 days)

Participant: A 1st year student of the Doctoral Program
(at the time of participation)

My experience at JARI was exquisite to say the least. It helped me widen my perspective on real-world problems, improve my engineering skills by working on actual experimental tasks, ignite my interest through educative discussions, as well as enhance my planning, time-management, teamwork, and communication skills. It also contributed to increasing my motivation and determination towards scientific research in general.

I believe that receiving this opportunity is without doubt the current milestone in my career, that shall help thrust my research pace forward in the near-future.

Personally, the most iconic moment from the internship period for me was when I heard the statement “We’re really lucky to have you!” from my supervisors, who are in charge of the project I was contributing to. Despite of how euphoric that moment was for me, the truth is I am the one who is blessed with taking part of this team, and I am wholeheartedly grateful for it.

I am looking forward to see what our future collaboration will bring forth! Thank you very much for your trust.



Message from
a participant in 2021
(@Japan Automobile Research Institute)

レジリエンス研究教育推進コンソーシアム第 20 回幹事会議事要旨

- 1 日時：令和 4 年 4 月 11 日（月） 10 時 00 分～10 時 40 分
- 2 場所：オンライン（Web 会議システム Zoom）
- 3 出席者：林（会長）、甘利（副会長）、遠藤（副会長）、岡島、石濱
陪席者：田代（防災科学技術研究所）、斉藤（筑波大学）、高野（〃）、栗原（〃）、根本（〃）
(敬称略)

4 議事

議事に先立ち、筑波大学の事務担当者が秋葉一能氏から栗原宏太氏に交代となった旨の説明があり、新任の栗原氏より挨拶があった。

I. レジリエンス研究教育推進コンソーシアムに係る事案

(1) 令和 4 年度幹事会委員について

遠藤副会長から、資料 1 に基づき、石濱委員の筑波大学における所属が変更となった旨の報告があり、石濱委員より挨拶があった。

(2) 令和 4 年度年間活動計画について

遠藤副会長から、資料 2 に基づき、前回運営委員会で承認された令和 4 年度年間活動計画について、一部計画を追加・修正する旨の説明があり、次のとおり承認された。

(追加分)

- 第 5 回総会：令和 4 年 5 月 10 日（火）13：30～15：00 オンライン開催
- 第 21 回幹事会：令和 4 年 7 月 19 日（火）10：00～11：00 オンライン開催
- Joint Seminar 減災との第 3 回共同シンポジウム：令和 5 年 2 月（日時・場所未定）

(修正分)

- 各参画機関と筑波大学の意見交換：令和 4 年 5 月～7 月

また、「第 1 回ピッチ会（仮称）」に関して意見交換が行われ、議論の結果、第 5 回総会で趣旨説明を行った上で、各参画機関と筑波大学の意見交換会の際に、各機関のピッチ会への参加の意向について確認することとなった。

(3) 参画機関との意見交換の実施について

遠藤副会長から、資料 3 に基づき、5 月～7 月頃実施予定の参画機関と筑波大学の意見交換会について、趣旨説明があった。議論の結果、資料 3 の意見交換事項に「ピッチ会に期待すること」の項目を追記することとなった。

(4) 令和 4 年度参画機関におけるインターンシップについて

遠藤副会長から、資料 4 に基づき、今年度リスク・レジリエンス工学学位プログラムの学生のイン

ターンシップを受け入れる予定の参画機関について報告があった。続いて、岡島委員から、学生にとって「インターンシップ」という言葉が、就職活動に直結するインターンシップを想像させるものとなっており、本来の趣旨が伝わりにくくなっているとの問題提起があり、林会長・甘利副会長から、インターンシップに代わる言葉として「Cadet」や「Job Shadowing」という言葉が提案された。

(5) その他

特になし。

II. 筑波大学リスク・レジリエンス工学学位プログラムに係る事案

(1) コンソーシアム参画機関からの令和4年度入学者について

岡島委員から、資料5に基づき、今年度は参画機関所属（現職）の入学者はいなかったものの、防災科学技術研究所と繋がりのある社会人学生1名が博士後期課程に入学したとの報告があった。

(2) 令和4年度春学期における対面授業及びオンライン授業の実施について

岡島委員から、資料6-1～6-2に基づき、今年度春学期の授業は、科目の特性や受講生の要望等に応じて対面またはオンラインで実施予定との報告があった。また、協働大学院教員及び参画機関の非常勤講師が担当する授業については、世話人教員との相談のもと授業形態を決定している旨の補足説明があった。今年度春学期は、オンライン実施予定の授業がやや多いとのことである。

(3) その他

甘利副会長から、学位プログラムで実施する「リスク工学研究会（RERM）」の録画を参画機関でも視聴できるようにしてはどうかとの提案があり、録画の限定公開方法について検討することとなった。

以上

Master's and Doctoral Programs in Risk and Resilience Engineering

List of enrollments from the R2EC participating institutions

(credit: persons)

Name of institution (where students belong)*	Program	Year of Enrollment			Current status of students (as of May 1, 2022)
		2020	2021	2022	
SECOM Co., LTD.	M				
	D				
Dai Nippon Printing Co., Ltd. (DNP)	M				
	D				
NEC Corporation	M				
	D	1			3rd year...1
Tokyu Property Management Co.,Ltd.	M				
	D				
NTT Space Environment and Energy Laboratories	M				
	D				
DRI Japan	M				
	D				
Central Research Institute of Electric Power Industry (CRIEPI)	M				
	D				
Japan Automobile Research Institute (JARI)	M				
	D	1			Withdrawal for personal reason...1
Electronic Navigation Research Institute (ENRI)	M				
	D				
National Institute of Advanced Industrial Science and Technology (AIST)	M				
	D				
National Research Institute for Earth Science and Disaster Resilience (NIED)	M				
	D	2	1		3rd year...2, 2nd year...1
National Institute of Occupational Safety and Health, Japan (JNIOOSH)	M				
	D				
National Science and Technology Center for Disaster Reduction (NCDR, Taiwan)	M				
	D				
Subtotal	M	0	0	0	
	D	4	1	0	
Total amount		4	1	0	

M...Master's Program, D...Doctoral Program

* Name of institution (where students belong) is counted in terms of current positions based on the data at the time of application for entrance examinations. University of Tsukuba is excluded from participating institutions.

Master's and Doctoral Programs in Risk and Resilience Engineering/Risk Engineering

Number of students supervised by the faculty members of Collaborative Graduate School

(credit: persons)

Name of Institution (where the faculty members of Collaborative Graduate School belong)	Number of faculty members (as of May 1, 2022)	Program	2020		2021		2022	
			Number of main- supervised students	Number of sub- supervised students	Number of main- supervised students	Number of sub- supervised students	Number of main- supervised students	Number of sub- supervised students
SECOM Co., LTD.	1	M		1		1		8
		D		3		3		6
Dai Nippon Printing Co., Ltd. (DNP)	1	M						1
		D						
Central Research Institute of Electric Power Industry (CRIEPI)	1	M		1		4		3
		D		2		1		1
Japan Automobile Research Institute (JARI)	2	M		4		3		2
		D		4		5		6
National Institute of Advanced Industrial Science and Technology (AIST)	4	M		3		5		7
		D		6		5		5
National Research Institute for Earth Science and Disaster Resilience (NIED)	3	M		3	2	8	3	7
		D	2 (2)		3 (3)		4 (3)	
National Institute of Occupational Safety and Health, Japan (JNIOSH)	1	M		2		2		2
		D		2		2		4
Subtotal	13	M	0	14	2	23	3	30
		D	2 (2)	20	3 (3)	16	4 (3)	22
Total amount			2 (2)	34	5 (3)	39	7 (3)	52

M...Master's Program, D...Doctoral Program

*The number of students is shown as a cumulative total.

*The numbers in parentheses indicate the number of students accepted from the institutions to which the faculty members of the Collaborative Graduate School belong.

List of Courses Taught by Consortium Participating Institutions in 2022 (tentative)

Name of institution	Course Title (Number of credits)	Name of Faculty Member	Job Title (UT)	charge
SECOM Co., LTD.	Essential Discussions on Security (1.0)	AMARI Yasufumi	Lecturer (Non-Full-time)	15
	Seminar in Cyber Resilience (1.0)	SHIMAOKA Masaki	Associate Professor (Cooperative Graduate School)	12
Dai Nippon Printing Co., Ltd. (DNP)	Introduction to Risk and Resilience (1.0)	SANAMI Sho	Associate Professor (Cooperative Graduate School)	1.5
NEC Corporation	Introduction to Risk and Resilience (1.0)	YAGYU Tomohiko	Lecturer (Non-Full-time)	1.5
Tokyu Property Management Co.,Ltd.		-		
NTT Space Environment and Energy Laboratories		-		
DRI Japan	Business Continuity Management towards a Resilience Society (2.0)	*Faculty members in charge in 2022 will be appointed later.☒		30
Central Research Institute of Electric Power Industry (CRIEPI)	Environment, Energy and Safety Engineering (2.0)	YAMAMOTO Hiromi	Professor (Cooperative Graduate School)	6
Japan Automobile Research Institute (JARI)	Human Factors (1.0)	ALZAMILI HUSAM	Lecturer (Non-Full-time)	3
		ABE Genya	Professor (Cooperative Graduate School)	12
		UCHIDA Nobuyuki	Professor (Cooperative Graduate School)	
Electronic Navigation Research Institute (ENRI)	Introduction to Risk and Resilience (1.0)	AOYAMA Hisae	Lecturer (Non-Full-time)	1.5
		FUKUSHIMA Sachiko	Lecturer (Non-Full-time)	1.5
		UTAGAWA Manabu	Lecturer (Non-Full-time)	6
National Institute of Advanced Industrial Science and Technology (AIST)	Environment, Energy and Safety Engineering (2.0)	KATO Kazuhiko	Professor (Cooperative Graduate School)	6
		TAHARA Kiyotaka	Professor (Cooperative Graduate School)	6
		ZUSHI Yasuyuki	Associate Professor (Cooperative Graduate School)	6
National Research Institute for Earth Science and Disaster Resilience (NIED)	Disaster Risk and Resilience (2.0)	AOI Shin	Lecturer (Non-Full-time)	3
		IIZUKA Satoshi	Lecturer (Non-Full-time)	3
		FUJITA Eisuke	Lecturer (Non-Full-time)	3
		MAEDA Takahiro	Lecturer (Non-Full-time)	3
		YAMAGUCHI Satoru	Lecturer (Non-Full-time)	3
		USUDA Yuichiro	Professor (Cooperative Graduate School)	15
		SAKAI Naoki	Professor (Cooperative Graduate School)	
	Policy and case study on information-intelligence-based disaster risk management (1.0)	FUJIWARA Hiroyuki	Professor (Cooperative Graduate School)	*
		USUDA Yuichiro	Professor (Cooperative Graduate School)	
National Institute of Occupational Safety and Health, Japan (JNIOSH)		-		
National Science and Technology Center for Disaster Reduction (NCDR, Taiwan)	Policy and case study on information-intelligence-based disaster risk management (1.0)	*Faculty members in charge in 2022 will be appointed later.☒		*

* The total of 15 hours are distributed to the two institutions: National Science and Technology Center for Disaster Reduction (NCDR, Taiwan) and the National Research Institute for Earth Science and Disaster Resilience (NIED).

April 5, 2022

To: Undergraduate students
Graduate students

Vice President for Education
KATO Mitsuyasu

Implementation guidelines of face-to-face classes and online classes in the
spring semester of AY 2022

For the implementation of classes in the spring semester of AY 2022, face-to-face classes (including final examinations) will continue to be available, taking into account the progress of vaccination of students, faculty members, and employees through workplace vaccination, etc., and the fact that there have been no reported cases of infection in classes, despite the spread of the omicron strain of COVID-19.

When participating in face-to-face classes (including final exams), we would like you to take utmost infection prevention measures including proper wearing of masks and carrying out of thorough hand washing with attention to the following items. Furthermore, in the event that the level of the mode of operations of our University is changed in the future, we will notify you again.

1. Conduct of face-to-face classes in the spring semester of AY 2022

1) Implementation policy of face-to-face classes

Face-to-face classes in the spring semester will be conducted subject to thorough infection control; provided however, that depending on the spread of COVID-19 from here on, handling is subject to change including restrictions in face-to-face classes.

When entering the university, keep a health observation report for the last 14 days nearest to the date that they would enter the campus and they should take this report along for them to show to the faculty member in charge (class instructor, academic advisor, etc.). Students can use Example of the Health Observation Report posted on the website as below, as a report, or other forms including the same information as this example. Also students can use the health observation apps when their educational organization designates certain ones. Entry to the campus is subject to keeping a health observation report,

maintaining an average temperature, and having no cold symptom for the last 14 days in principle, however, refer to the “COVID-19 Flowchart (<https://www.tsukuba.ac.jp/en/important-notice/20201202174500.html>) in the Guidelines and state of activities of our university” posted on the website, for details.

Example of the Health Observation Report (EXCEL)

Example of the Health Observation Report (with Activity Log) (Excel)

2) Precautions during on-campus activities

- Be sure to properly wear a mask when entering the campus; provided however, that if at a sufficient distance (over 1 meter) from others outdoors, you are free to remove your mask.
- Always strive to keep a distance of approximately 1 meter or more around you within university premises.
- Disinfect your hands or wash them with soap and water frequently.
- Avoid holding a conversation when you pull your mask off within university premises. Furthermore, refrain from close-range conversation and raising one's voice even when wearing a mask.

3) Use of COVID-19 Contact-Confirming Application

As a method to determine the extent of contact with an infected individual, the use of the COVID-19 Contact-Confirming Application (COCOA) released by the Ministry of Health, Labour and Welfare is recommended.

4) Considerations to students who do not wish to participate or unable to participate in face-to-face classes

For reasons including fear of infection by commuting to the university and through classes, living with relatives with health concerns under one roof, and inability to come to Japan for those residing overseas, the handling including the conduct of classes online or the conduct of a combination of online classes (online classes will be conducted for students who will not participate in face-to-face classes) will be considered so file a request by complying with the instructions of the affiliated education organization, etc. When there are no instructions in particular, consult with the class instructor, etc. as soon as possible.

2. Conduct of online classes in the spring semester of AY 2022

1) When conducting online classes

If we fail in securing classrooms with ample space for all registered students to avoid close contact, the class will be conducted online.

Furthermore, for classes with the primary objective of establishing fundamental knowledge, there are classes offered online (on demand). This is because repeated viewing is expected to bring heightened educational effectiveness.

While referring to the timetable and class implementation method (face-to-face class, online class, etc.) in the spring semester, examine the course plan while checking the information in the remarks column in the KdB (List of courses at kdb.tsukuba.ac.jp/), syllabus, manaba, etc. Here are the types in the remarks column in the KdB.

- ① Online (Asynchronous)
- ② Online (Synchronous)
- ③ Face-to-face
- ④ Hybrid or others

(Even if multiple methods of ①~③ are combined, it becomes “Hybrid or others” . For details, check the syllabus, etc.)

2) Taking an online course of another university, overseas university, etc.

Students can take an online course of another university, overseas university, etc. When taking the course, register by submitting the “Notification of online courses” after consultation on the course plan with the homeroom teacher, academic advisor, etc. beforehand. For necessary procedures, contact the academic service office for instructions.

Under the difficulties of learning without actually traveling overseas, for example, for establishing fundamental knowledge out of pre-study and post-study for overseas study, improving the student’s linguistic ability, etc. online courses are believed to be effective, so please use them.

3) Consideration to students with problems in the communication environment

We plan to lend mobile Wi-Fi free of charge for AY 2022 only to students who are truly unable to maintain a communication environment due to financial reasons, such as those who apply for tuition exemption. Wait for further instructions necessary for application from educational organizations.

4) Information on support for students about online classes

Information on support for students will be announced officially in the “Online course description” (<https://www.cc.tsukuba.ac.jp/wp/remote-lecture->

students/) in the Academic Computing & Communications Center. We will share information as needed, so please check periodically.

3. Opening of student space

Opening of satellite computer rooms, lounges (student common rooms), study space, large classrooms, etc. within each educational organization and center will be released in the “Internal Notices for Current Students (Internal Use Only)” in the TWINS bulletin board (if it is hard to find, search for “Opening of student common rooms, etc.”). Regularly check for updates of information. We are aware of the request to secure a room where people can speak with the assumption that masks will be worn, and this is currently being discussed by the educational organization. Furthermore, we have asked the teachers to make it possible to accept questions via chat in the class as needed, in case it is difficult for the students in the online class to speak.

The opening of the satellite rooms is released in the following URL.
https://www.u.tsukuba.ac.jp/satellites_status/

4. Questions or feedback on classes

Based on the contents, etc. of the responses to the student survey on online classes, we are asking faculty members to seek lesson improvements and we would like to request students to present questions or feedback on classes to class instructors without hesitation and as they think fit.

5. Consideration on studies of students

In the case a student needs to miss a class, etc. according to the following circumstances, etc., we have requested faculty members to make considerations to a maximum extent.

- When a student is infected with COVID-19
- When a PCR test in a medical institution, etc. is considered necessary and waiting for the result
- When waiting at home as a close contact
- When feeling unwell (in the presence of fever, respiratory problem, and cold symptoms, students suspected to have COVID-19)
- In receiving a vaccine, when a student needs to miss a class, etc. for vaccination
- Regardless of the side effects of the COVID-19 vaccine, when cold symptoms

including fever start after the vaccination

When missing a class, etc. for these reasons, students should give the details to the class instructor, etc. immediately. Furthermore, if you are in good physical condition, it is fine to have an online lesson when staying at home.

6. Points to note on the use of the campus cafeteria

To avoid close contact in cafeterias and cafes, COVID-19 infection prevention measures have been implemented by reducing seating capacity and no face-to-face seating in the past.

Furthermore, efforts are made to add new items on the take-out menu and ease crowding in cafeterias.

For the prevention of COVID-19, we would like to ask students to conform to the following as precautions to take when using cafeterias.

- (1) Do not move seats and no face-to-face seating.
- (2) Properly wear a mask except when actively eating or drinking.
- (3) Refrain from conversation, have a quick bite, and cede your seat to others as soon as possible.
- (4) Use take out.

7. Issuance of certificates

Before or after using the certificate issuing machine, take infection countermeasures including hand washing.

When using the certificate issuing machine is difficult for reasons related to the place of residence, etc., ask the academic service office assigned to your educational organization (for the School of Comprehensive Studies, the Academic Support Center) for necessary procedures and follow their instruction. Furthermore, it may take a number of days to issue and send the certificate by mail so allow leeway when filing a request.

8. Information on university-wide handling, etc.

Changes in the Handling Guidelines for COVID-19 and Mode of Operations of our university and other important matters will subsequently be conveyed on the university website. Also regularly check for updates on the TWINS bulletin board.

【Contact information】

Let your homeroom teacher, academic advisor, class instructor, etc. know if there are any unclear points or if you have any anxieties. If you don't know how to contact the above, etc., consult with the academic service office.

Furthermore, consult the following with regard to studies.

Division of Educational Reform Support, Department of Educational Promotion
029-853-2202

Academic Calendar 2022-2023

Spring Semester														Fall Semester																	
Pattern 1 (based on modules A ~ C) • 15-week classes for modules A ~ C + final exams • 5-week classes for modules A + final exams • 10-week classes for modules B & C + final exams							Pattern 2 (based on modules A & B) • 10-week classes for modules A & B + final exams • 5-week classes for module C							Pattern 2 (based on modules A & B) • 10-week classes for modules A & B + final exams • 5-week classes for module C							Remarks										
Day	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Day	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Day	Sun	Mon	Tue	Wed	Thu	Fri	Sat								
Month																															
Apr						1	2	Remarks Spring Recess: Apr 1 - 4 Entrance Ceremony: Apr 5 TOEIC®IP Test(for Undergraduate Freshman): Apr 6 Freshman/New Student Orientation: Apr 5-7 Extra days for Orientation: Apr 8-12 Spring Semester Classes Begin: Apr 13 ※Apr 29(national holiday): Friday classes																							
	3	4	5	6	7	8	9		3	4	5	6	7	8	9		2	3	4	5	6	7	8								
	10	11	12	13	14	15	16		10	11	12	13	14	15	16		9	10	11	12	13	14	15								
	17	18	19	20	21	22	23		17	18	19	20	21	22	23		16	17	18	19	20	21	22								
	24	25	26	27	28	29	30		24	25	26	27	28	29	30		23	24	25	26	27	28	29								
May								Remarks ※May 2: Recess ※May 6: Tuesday classes Spring Sports Day: May 14-15 (**) Spring Module A Final Examination Day: May 24																							
	1	2	3	4	5	6	7		1	2	3	4	5	6	7				1	2	3	4	5								
	8	9	10	11	12	13	14		8	9	10	11	12	13	14		6	7	8	9	10	11	12								
	15	16	17	18	19	20	21		15	16	17	18	19	20	21		13	14	15	16	17	18	19								
	22	23	24	25	26	27	28		22	23	24	25	26	27	28		20	21	22	23	24	25	26								
Jun	29	30	31					Remarks Spring Modules A and B Final Examination Week: Jun 29-Jul 5	29	30	31																				
	5	6	7	8	9	10	11		5	6	7	8	9	10	11		4	5	6	7	8	9	10								
	12	13	14	15	16	17	18		12	13	14	15	16	17	18		11	12	13	14	15	16	17								
	19	20	21	22	23	24	25		19	20	21	22	23	24	25		18	19	20	21	22	23	24								
Jul	26	27	28	29	30			Remarks Entrance examination: Jul 9-10 ※Jul 18(national holiday): Monday classes	26	27	28	29	30																		
						1	2																								
	3	4	5	6	7	8	9		3	4	5	6	7	8	9		1	2	3	4	5	6	7								
	10	11	12	13	14	15	16		10	11	12	13	14	15	16		8	9	10	11	12	13	14								
	17	18	19	20	21	22	23		17	18	19	20	21	22	23		15	16	17	18	19	20	21								
Aug	24	25	26	27	28	29	30	Remarks Spring Modules A, B and C Final Examination Week: Aug 3-9 Spring Module C Final Examination Day: Aug 10 Spring Semester Classes End: Aug 9 Summer Recess: Aug 11-Sep 30	24	25	26	27	28	29	30																
	31								31																						
	1	2	3	4	5	6			1	2	3	4	5	6																	
Sep	7	8	9	10	11	12	13	Remarks Date of Graduation for the School of Medicine: Mar 10 Entrance examination: Mar 12 Commencement Ceremony: Mar 24	7	8	9	10	11	12	13		5	6	7	8	9	10	11								
	14	15	16	17	18	19	20		14	15	16	17	18	19	20		12	13	14	15	16	17	18								
	21	22	23	24	25	26	27		21	22	23	24	25	26	27		19	20	21	22	23	24	25								
	28	29	30	31					28	29	30	31					26	27	28												
number of school days								number of school days								number of school days								number of school days							