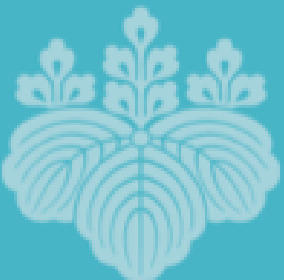


Higher Education in a Post-COVID-19 Era

Governance and Internationalization
for academia after COVID-19

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IMAGINE THE FUTURE

A Comprehensive Research University

- Japan's First Institution of Higher Education -

147 Years of History and Tradition



3 Nobel Laureates

Dr. Sin-Ichiro Tomonaga (Physics, 1965)

Dr. Leona Esaki (Physics, 1973)

Dr. Hideki Shirakawa (Chemistry, 2000)



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**Olympic +
Paralympic
Medals**



Emergency Initial Steps to Stop the Spread of COVID-19

Quick Initial Measures
Are Critical in Such
Times!

- Promoting Japan's Policy of Avoiding the **3Cs**
 - **C**losed spaces
 - **C**rowded places
 - **C**lose-contact settings
- Policies from before the State of Emergency Declaration
 - Emergency establishment of Response Team headed by University Hospital Director and including all deans
 - Emergency daily tracking of students studying abroad
 - Supporting students' return to Japan (incl., travel from Narita airport)
 - Self-quarantine of students/others coming back from outside Japan and the prefecture. Dedicated use of single-occupancy dorms for self-quarantining
 - Postponement of large gatherings
 - Graduation, matriculation
 - Conferences
 - Move to online meetings



Current Efforts to Stop the Spread of the Virus and Provide Support

- Delay of New Academic Year
 - Start of Spring semester courses delayed to April 27th
 - Use of Saturdays to maintain rigorous academic standards
 - All courses moved online
 - Support for Students through Tsukuba Futureship Funds
 - Financial support for all undergraduate students
 - Increased TA, RA opportunities for graduate students
 - Loaning of ICT equipment necessary for online learning
 - Emergency loans for students
 - Postponement of tuition payment
- Active wide-scale monitoring of learning/course quality and student experience
- Feedback to faculty
- Large-scale introduction of telework/remote commuting
- Decrease in on-site work by 80%
 - All formal meetings moved online
 - Travel across prefectures cancelled
 - International travel cancelled
- Many students have lost their part-time job opportunities (which on average accounted for 25% of their monthly budget)

Rethinking Student Mobility, International Experience

- Campus-in-Campus Partnerships (CiC)



- CiC is a partnership among UT and its 10 strategic partners to share research and education resources
- Course Jukebox (>2,900 courses)
 - A platform for students to select courses and programs (incl. double and joint degrees of UT and its CiC partners)



Take Advantage of Course Jukebox for
Virtual International
Experiences/Collaborative Problem-
based Learning

Initiative to Jump Start Promotion of COVID-19 Research

- Purpose
 - To jump start research that can quickly provide results to society
 - Target: All academic fields including the natural, life and social sciences
- Selected Projects
 - 18 short-term projects (examples)
 - Analysis of the COVID-19 Infodemic: Japanese Media COVID-19 Content Topic Modeling
 - The Coronavirus and Mandatory Telework from Home: Effects on Regular Workers' Subjective Well-being, New Male Roles, and Job Productivity
 - The Adverse Effects on Senior Health Due to Decreased Mobility and Social Activity
 - 9 mid-term projects (examples)
 - Producing SARS-COV-2 Infected Mice With Upper Respiratory Tract Inflammation
 - Developing Methods for Continuing Running Under a State of Emergency to Prevent Corona Obesity and Depression

Face-to-Face vs Virtual Collaboration

Advantages of Face to Face Learning

- Ability to share on-site atmosphere, passion, etc.
- Ability to share physical environment
- Enhanced creativity, and to obtain novel sensory information
- Ability to nurture of understanding of local culture, values through direct communication

Advantages of Virtual Learning

- Ability to develop and review knowledge across space in a timely manner
- Ability to collaborate across distances, time zones and all borders, incl. cultural.
- Enhanced inclusivity and accessibility
- Ability to hand off/push forward projects around the clock

Integrating face-to-face
and virtual collaboration
among students
researchers, policy
makers, and businesses

1 . Taking advantages of the Campus-in-Campus Initiative

- Resource sharing through Course Jukebox, integrating online and F2F content
- Promoting international collaborative problem-based learning/design thinking opportunities
- Promoting virtual-physical research units
- Nurturing post-COVID-19 era global leaders (joint-degree programs, CJ courses, etc.)

2. Tsukuba Global Science Week 2020 (combining virtual and F2F meeting)

The Future

- Global disruptions will persistently emerge. We will need ...
 - increased, not decreased, global collaboration;
 - anticipatory and proactive, not reactive, actions;
 - participatory risk governance in collaboration with all stakeholders, including local and regional governments.
- Demand for quality education will only increase, not diminish. We need ...
 - increased training for educators and students to gain confidence in use of online tools, as the move to online learning has been abrupt;
 - maintenance of international partnership with sensitivity to local conditions.

The Future

- Rethinking of International Experience. Promote...
 - blended F2F + online learning;
 - collaborative F2F and virtual problem-based learning
 - sustainable and affordable international exchange;
 - embedded experience: double degrees, joint degrees, COIL
 - enhanced inclusion and equality;
 - increased support of international exchange.
 - real-time risk management
 - management of visa problems due to disruptions
- Governance/Administration: Enhance ...
 - resilience, not efficiency;
 - multiple streams of knowledge;
 - enhance infrastructure (knowledge databanks, etc.) and capability for large scale remote work;
 - transparency in risk management

Thank you very much !

どうもありがとうございます。

Appendix: Timeline of Major Events

Jan. 2020

- Early to mid-January: Increased news of novel infections in Wuhan China
- Jan. 16: Ministry of Health, Labor and Welfare announces first case in Japan (visitor).
- Jan. 28: First case is reported of person who had not traveled abroad.
- Jan. 31: Japanese government issues travel warning to China.

Feb. 2020

- Feb. 3: Passengers on the Diamond Princess are quarantined.
- Feb. 13: Japan records first death.
- Feb. 22: US CDC issues advisory warning for travel to Japan.
- Feb. 27: PM Abe requests all elementary, junior high and high schools to close temporarily.

March 2020

- March 4: 1,000 cases of infections are recorded.
- March 5: De facto entry ban for travelers from China, South Korea, and Iran are issued.
- March 11: WHO declares spread of new coronavirus a pandemic.
- Mid- March: Numerous travel bans to and from Japan are instated.
- March 24: Japan postpones Tokyo 2020 Olympic and Paralympic Games.

April 2020

- April 3: De facto travel shutdown of all travel to Japan
- April 5: Deaths from COVID-19 in Japan top 100.
- April 7: State of emergency for seven prefectures is declared.
- April 16: State of emergency is expanded to all prefectures. Over 10,000 cases are recorded.

May 2020

- May 2: Deaths in Japan top 500.
- May 4: State of emergency extended until May 31.
- May 14: State of emergency is lifted in 39 (out of 47) prefectures.
- May 21: State of emergency is lifted in 3 more prefectures.
- May 25: State of emergency is ended nationwide.
- May 29: Total number of cases as of June 8, 2020: 17,914 cases; deaths: 929