

APAIE 2024



PERTH, AUSTRALIA 4-8 MARCH 2024

#APAIE24

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Collaborating for sustainable impact: partnerships across the Asia Pacific

APAIE Perth 4 - 8 March 2024



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Session 12A: Thurs 7th March, 8:30 – 9:15

Challenges in implementing joint degree programs across continents

Shinnosuke Obi
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Challenges in Implementing Joint Degree Programs Across Continents

Vincent FREMONT, ECN, France

Taku SHINOHARA, TUFS, Japan

Shinnosuke OBI, Keio U, Japan

Contents

1. Introduction: background to joint degree programs
 - Progress in EU and Erasmus+
 - Progress in Japan through Inter-University Exchange Programs
2. Practice and challenges in **JEMARO**, Japan-Europe Master in Advanced Robotics
3. Practice and challenges in **HIPS**, History in the Public Science
4. Summary
5. Discussion

Introduction: definition

(European Ministerial Conference in Yerevan, 2015)

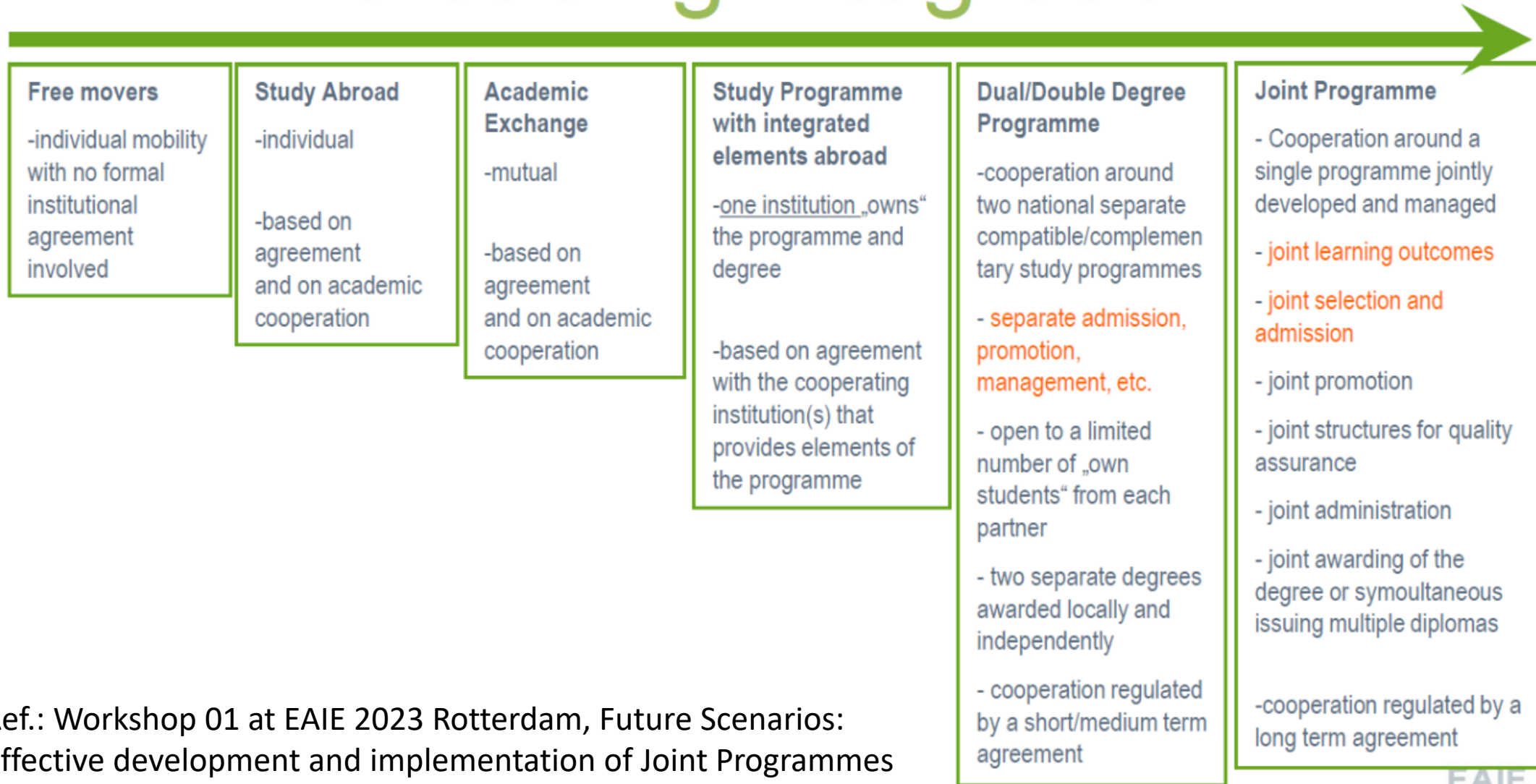
- **Joint programme:** an integrated curriculum coordinated and offered jointly by different higher education institutions, leading to multiple or joint degrees.
- **Joint degree:** a single document awarded by higher education institutions offering the joint programme and nationally acknowledged as the recognized award of the joint programme.
- **Multiple degree:** separate degrees awarded by issuing separate diplomas by the participating higher education institutions. If two degrees are awarded, it is “double degree”.

Progress in EU

Ref.: Workshop 01 at EAIE 2023 Rotterdam, Future Scenarios: effective development and implementation of Joint Programmes

- Bologna conference in Berlin (2003): ministers agreed to support the development and quality assurance of integrated curricula leading to joint degrees
- Extension of Erasmus (1987) to Erasmus Mundus (2004)
- Erasmus+ Erasmus Mundus Joint Master Degrees (2014-2020)
- Erasmus+ Erasmus Mundus Joint Masters (2021-2027)
- European Strategy for Universities (2022) introduces Joint European Degree Label

Increasing integration



Ref.: Workshop 01 at EAIE 2023 Rotterdam, Future Scenarios:
effective development and implementation of Joint Programmes

Towards a sustainable future for international education in the Asia Pacific

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Progress in Japan (MEXT initiative)

- EU-Japan Pilot Program for Collaborative Education (2004)
- Global 30 Project (2009)
- Inter-University Exchange Programs with Europe (2012)
- Top Global University Project (2013)
- Guideline for Joint/Double Degree Programs (2014)
- Joint Master Program between Erasmus+ and MEXT Japan (2019)
 - 3 consortia were selected, including HIPS and JEMARO
 - Implementation of JD strongly encouraged
 - Scholarship provided by JASSO through short-term exchange program

Guidelines for Building International Joint Diploma Programs Including Double and Joint Degree Programs (2014)

- Chapter 1: Overview
- Chapter 2: Outline of the Scheme
- Chapter 3: Points of Attention for the Establishment of JD Programs
 1. Basic Matters
 2. Basic Design of JD Programs
 3. Curriculum design, Examination for conferral of degree, etc.
 4. Other
- Chapter 4: Joint Educational Programs, including Double Degree

1. Basic matters

- JD programs aim to offer academic programs that cannot be offered by one single university in Japan or any foreign country through cooperation and collaboration between Japanese and foreign universities and the mutual use of shared educational resources.
- JD programs will be developed and implemented jointly by Japanese and foreign universities.
- The means of organizing JD programs will be regulated by the Japanese system to the extent possible, and may be affected by partner universities in foreign countries and the system of the countries concerned. Thus, JD programs can take various forms and must satisfy various requirements.

2. Basic Design of JD Programs

- Degree level, academic field covered and name
- Diploma
- Partner university(ies) in foreign country
- Inter-university agreement
- Selection, screening, etc. of entrants to JD program
- Student registry and record
- Size

3. Curriculum Design, Examination for Conferral of Degree, etc.

- Human resources to be developed
- Language
- Form of education
- Classes with various types of media in a highly advanced manner
- Requirements for graduation and completion
- Earning of credits
- Courses Jointly Designed
- Grading
- Thesis
- Degree examination for graduation
- Supervision system
- Academic staff
- School site, buildings, facilities, equipment, etc.
- Mobility of students (studying abroad and period of attendance at university)
- Study environment

4. Other

- Tuition, scholarships, etc.
- Safety net
- Evaluation and quality assurance
- Recognition and evaluation by society
“It is extremely important to respect the viewpoint of students and have JD programs recognized and highly valued by society, including by private companies for which students will work in the future. The universities concerned shall promote, give account of, and make known the effectiveness and other aspects of JD programs to society.”

Challenges: comparison of master program

EU

- 120 ECTS in 4 semesters
- Course intensive
- AY starts in October
- Tradition: student mobility across Europe
- Progressive development to JP
- Full support through funding by Erasmus+

Japan

- 30 credits in 2 years
- Research intensive
- AY starts in April
- Tradition: study abroad by individual basis, free mover
- Traditional degree programs
- Partial support only for study abroad part by JASSO

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With the support of the
Erasmus+ Programme
of the European Union



Japan-Europe Master on Advanced Robotics

Erasmus Mundus Joint Master Degrees

Agreement number 2019-1909/001-001

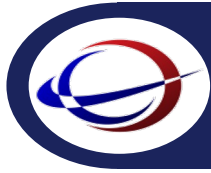


JEMARO – Learn about our programme



- The Japan-Europe Master on Advanced Robotics (JEMARO) is a 2-year integrated programme (120 ECTS or 30 Japanese Credits) offering courses in the area of advanced and intelligent robotics.
- By mastering Mathematical Modeling, Control Engineering, Computer Engineering, Mechanical Design, students are able to deal with robotic systems as a whole.





4 major Higher Education Institutions in Japan and Europe awarding master's degrees:

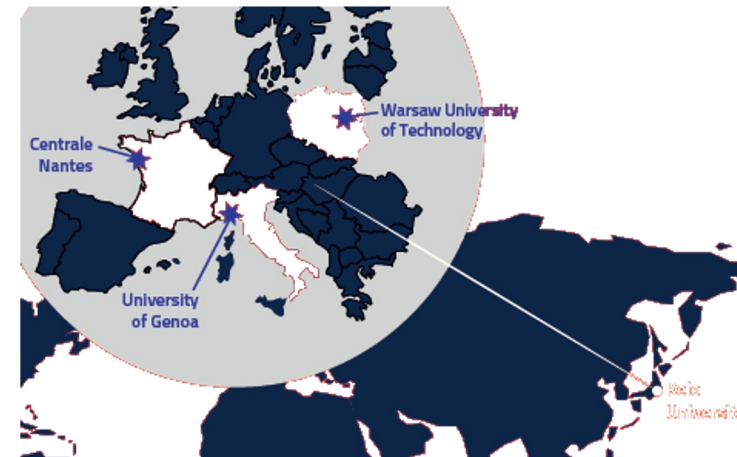
- **Keio University** (KEIO – Japanese Coordinator), Japan.
- **Ecole Centrale de Nantes** (ECN - European Coordinator), France.
- **Warsaw University of Technology** (WUT), Poland.
- **University of Genoa** (UNIGE), Italy.

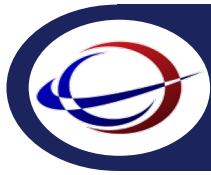
2 HEIs as Associated Partners:

- **Universitat Jaume I** (UJI), Spain.
- **Shanghai Jiao Tong University** (SJTU), China.

8 industrial partners:

- YASKAWA, Soft Servo Systems, NTT Data, Motion Lib, Inc., BA Systems, PIAP-Space, PIAP, IRT Jules Verne.





Historical links between JEMARO partners for Erasmus Mundus programme

- EMARO: selected in 2007
- EMARO+: selected in 2014
- JEMARO: selected in 2019



MOBILITY SCHEME*

2 years, 2 diplomas, 1 programme




One master's degree from a
EU institution


One master's degree from
Keio University, Japan

→ Challenge: design
of a joint degree

*The above mobility scheme may also be available in the reverse way (M1 in Japan and M2 in Europe) in the upcoming years.



ACADEMIC PROGRAMME

Curriculum

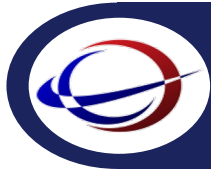
- 1st semester courses in EU – 30 ECTS

Modules
Research Track I
Modelling and control of manipulators
Control of linear multivariable systems
Real-time systems
Signal processing
Advanced and Robot Programming
Computer vision
Artificial intelligence for Robotics I
Mechanics of mechanisms and machines
Local language I

Curriculum

- 2nd semester courses in EU – 30 ECTS

Modules
Research Track II
Mechanical design methods in robotics
Software architectures for Robotics
Mobile robots
Artificial intelligence for Robotics II
Optimisation techniques
Nonlinear control techniques
Human computer interaction
Dynamic Model Based Control
Embedded Systems
Local language II



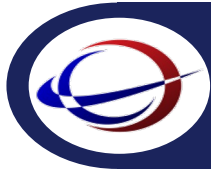
ACADEMIC PROGRAMME

Curriculum

- 2nd year courses at Keio (14 LC = 7 courses and 6 RC) + Master thesis (S4)

Modules	
Ultraprecision Machining and Metrology	MEMS: Design and Fabrication
Advance Course for Actuator Engineering	Space Exploration Engineering
Digital Wireless Communications	Computer Vision
Mixed Reality	Advanced Control Systems Design
Intelligent Machine System	Ad Hoc & Sensor Network
Design of Physically Grounded Communication System	Computational Structural Mechanics
Applied system design engineering	Medical Image Processing
Electromechanical Integration System	Control Engineering
Robust Control Theory	Advanced System Electronics
Local language	Research Track

- Students will devote time to the Research Track to conduct their own research and to earn Japanese Research Credits. For the second year, the Research Track will end with the Master's thesis defense.



Co-supervision of the Research Track

- Integrated Research Track co-coordinated between European and Japanese professors. This will enhance research collaborations between EU and Japan partners.
- 3 research topics linked to research track: Signal Processing, Biological Information; Robotics, Human Interface; Control, Mechatronics.
- A research topic and the corresponding supervisor at KEIO are selected by the candidates during the application phase. The choice is justified in the letter of motivation.
- At their arrival, students should investigate a subject to work on and a co-supervisor is chosen at ECN, WUT and UNIGE.
- The Research Track will end with the Master's thesis defense.
- Challenges: match-making session between EU and Japan researchers, and remotely-based joint supervision.



Who can apply?

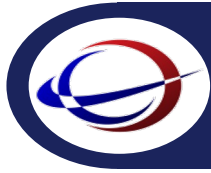
Holding a BSc (or equivalent) in a field related to Robotics

- Importance of **interdisciplinarity**
- Most fitted background: **Mechatronics**
- Graduated before July 31 for non-Europeans
(September 30 for Europeans)



English Proficiency

- Native language
- Medium of instruction (official letter or mentioned on transcripts)
- Required score to TOEFL, TOEFL IBT, Cambridge, IELTS, TOEIC



Procedure detailed on <https://jemaro.ec-nantes.fr>

Identify a research field:

1. Control-mechatronics
2. Robotics-human interface
3. Signal processing computer science, bioinformatics

Documents

- CV (Europass not compulsory)
- ID (national or passport)
- Proof of residence (no older than 12 months)
- Transcripts and latest degree/proof of degree completion
- Motivation letter (**template available**)
- Evidence of English proficiency
- Contact information of 2 referees (make sure it is correct)



SELECTION CRITERIA

Criteria	Grade	Evaluated by the coordinator (ECN)	Evaluated by the partners
C1 – Home institution quality*	/10	X	
C2 – Academic potential	/45 (25 min.)	X	
C3 – Degree relevance	/20		X
C4 – CV	/5		X
C5 – English	0 or 10	X	
C6 – LoM**	/15		X
C7 – LoR	/5		X
C8 – Gender	/1	X	

* *From Webometrics*

** *To be assessed according to the template*

Cross-evaluation
between partners



Tuition & scholarships

Tuition fees



Partner country* students: €18,000

Programme country* students: €9,000

Keio students pay Keio tuition fees

Scholarships available (main way of attractiveness):

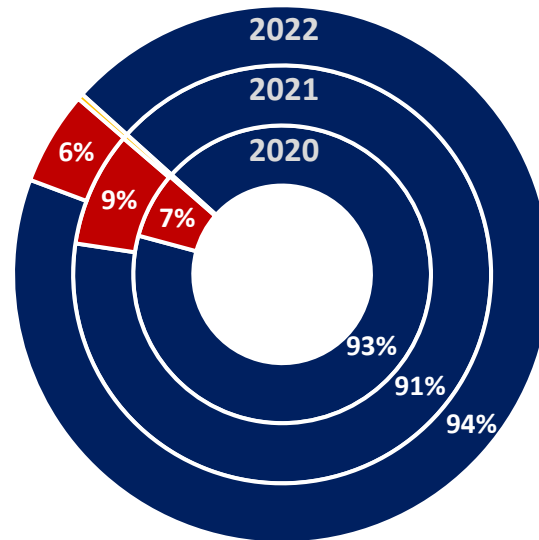


- **Erasmus Mundus Scholarships:** full scholarship (tuition fees, monthly allowance, travel & installation expenses covered)
- **Consortium Scholarships:** deduction of tuition fees
- **JASSO:** for Japanese students
- **Campus France, Study in Italy, Study in Poland scholarships**

* The definition of « partner country » and programme country » is given on <https://jemaro.ec-nantes.fr/english-version/admission/fees-scholarships>

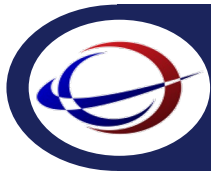


Program/Partner distribution



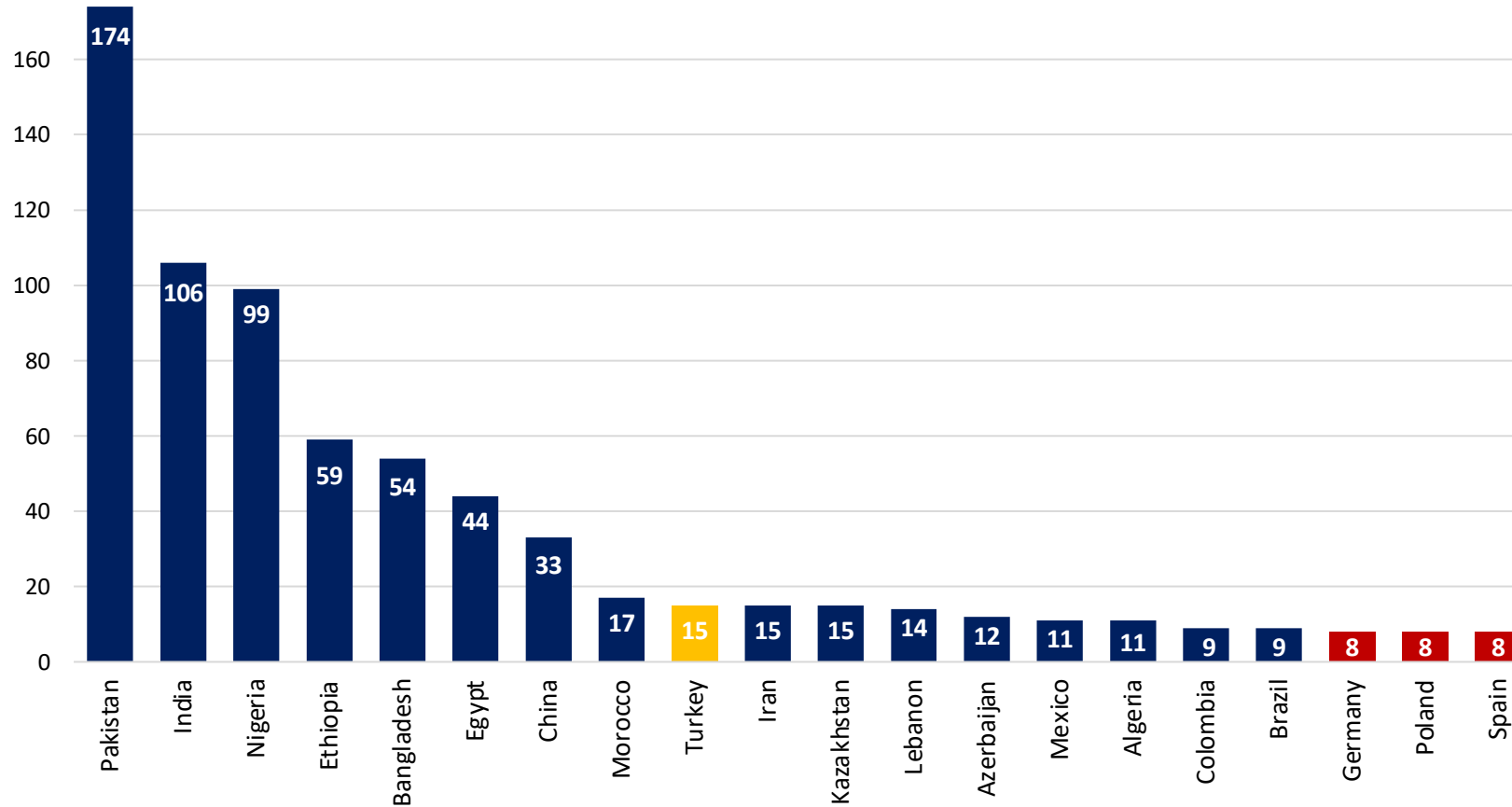
■ Partner
■ Program
■ Japan

	2020	2021	2022
Partner	396	478	821
Program	31	47	49
Japan	1 (+2)	2	3
Total	428	527	873



UNIVERSITIES OF ORIGIN

Top most represented countries (universities of origin)





Thank you

For any further question, please contact us on jemaro@ec-nantes.fr

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Double-Degree Master's Program History in the Public Sphere (HIPS)

Tokyo University of Foreign Studies

SHINOHARA, Taku, Vice President for Education

hips



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CONFERENCE AND EXHIBITION

What is the program “History in the Public Sphere”?



Two-year master program that focuses on the ways the past is represented, contested, and negotiated in the public sphere, exploring various contexts from the early modern period to the present in a comparative and transnational way.

The Program

- addresses broader, entangled, and global aspects of the representation and uses of the past across different periods of history
- offers an infrastructure that allows students to study and practice public history in a comparative perspective both within and outside strictly national contexts
- integrates a multilateral exchange and cultural dialogue opening up a comparative dimension that is less present in the more conventional understanding of public history focused mainly on the national public

HIPS: History in the Public Sphere

- HIPS covers a wide range of history topics in the fields of humanities and social sciences.
- HIPS is based on the idea that our contemporary society is connected to history through multitude of histories, memories, pasts, or something “historical” in various daily events.
- HIPS encourages the students to re-examine the mechanisms and methods by which the past is represented, contested, and negotiated in the public sphere, which often transcends national borders.



HIPS: Four Themes

- History and the institutionalization of memory
- Visual representations and medialization of history→Capstone project
- History of inclusion and exclusion
- Entanglement between national, regional, and global frameworks of history



Some examples from the passed projects/ Master Thesis, 2023

- Remembering and Forgetting Franco: The Evolution of Historical Memory in Spain
- A New Museum for a New Order: Political Foundations of the Museum of Modern Art of São Paulo
- Styling Socialist Consumption: Discourses of Sartorial Appearance in the 1960s Yugoslav Women's Magazine *Bazar*
- Sexuality, Morality, and Contested Heritage: Tracing the History of the Tawaifs of North India









Reflections on the Jewish Past

Jewish Life, the Holocaust and Preserving These Memories in Poland

Virtual Tour & Online Lecture by the Galicia Jewish Museum



Photo: Permanent Exhibition at the Galicia Jewish Museum.

Guest lecturer : Katarzyna Suszkiewicz, Ph.D.

Head of Education Department, Galicia Jewish Museum

Organizer/Moderator : Yuka Yoshida

Doctoral Student, Tokyo University of Foreign Studies

Program

- 17:00 Opening & Introduction
- 17:10 Virtual tour: Exploring the Permanent Exhibition of the Galicia Jewish Museum.
- 18:10 Lecture: Reflections on the Jewish Past. Jewish Life, the Holocaust and Preserving These Memories in Poland.
- 19:10 Q&A, Discussion
- 19:50 Closing

March 13th Wed.

2024

17:00-20:00

Language: English

Venue : Room 114, Tokyo University of Foreign Studies

Hybrid (Onsite* + Online)

* The guest lecturer will join this event online.

We will watch the zoom screen shared by the guest lecturer in room 114, Tufs.

* Pre-registration is required. Please register using the provided QR code by March 6th Wed.

Contact : hips-office[at]tufs.ac.jp (please change [at] to @)



HIPS Consortium

- Tokyo University of Foreign Studies (TUFS)
 - Central European University (CEU), Vienna, Austria
 - NOVA University Lisbon (NOVA), Lisbon, Portugal
 - University of Florence (UniFI), Florence, Italy
- *Ludwig Maxmillian University, Munich, Germany*

- National Institute for Oriental Languages and Civilizations (INALCO), Paris, France

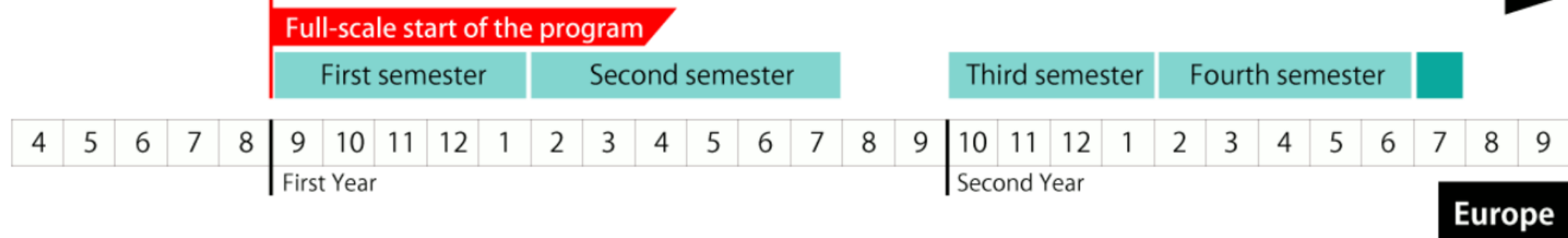
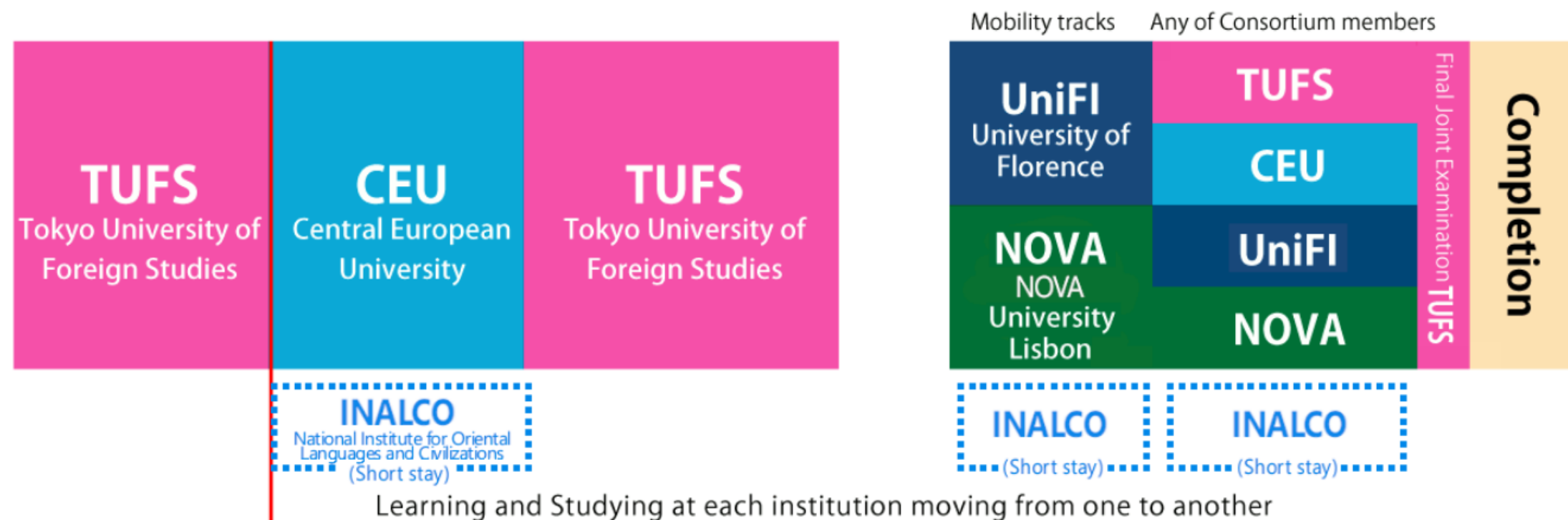
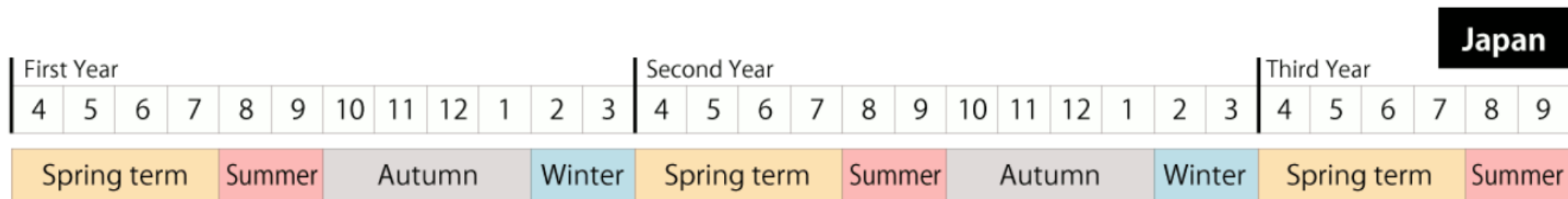
→ *L'viv Catholic University (L'viv, Ukraine), L'viv Center for Urban history, L'viv, Ukraine*



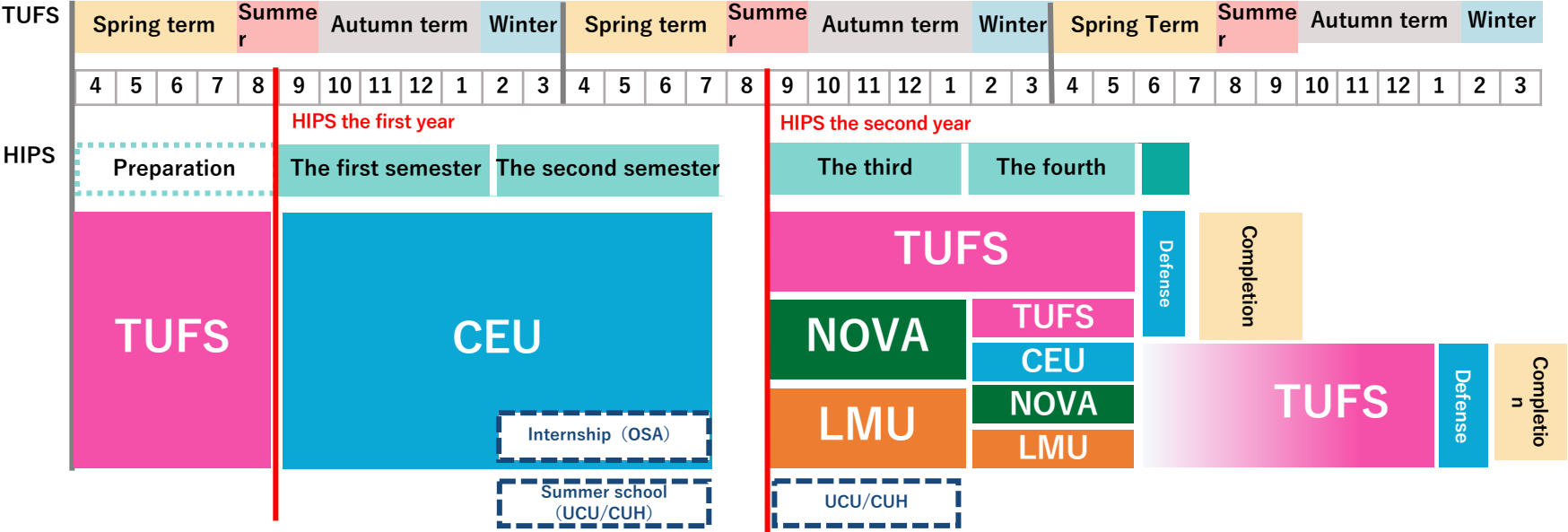
HIPS students as modern journeymen

- Mobility on a global scale
- Attaining learning experiences in various institutions
- Works are done in the field through firsthand observation
- Interaction with fellow students from different backgrounds

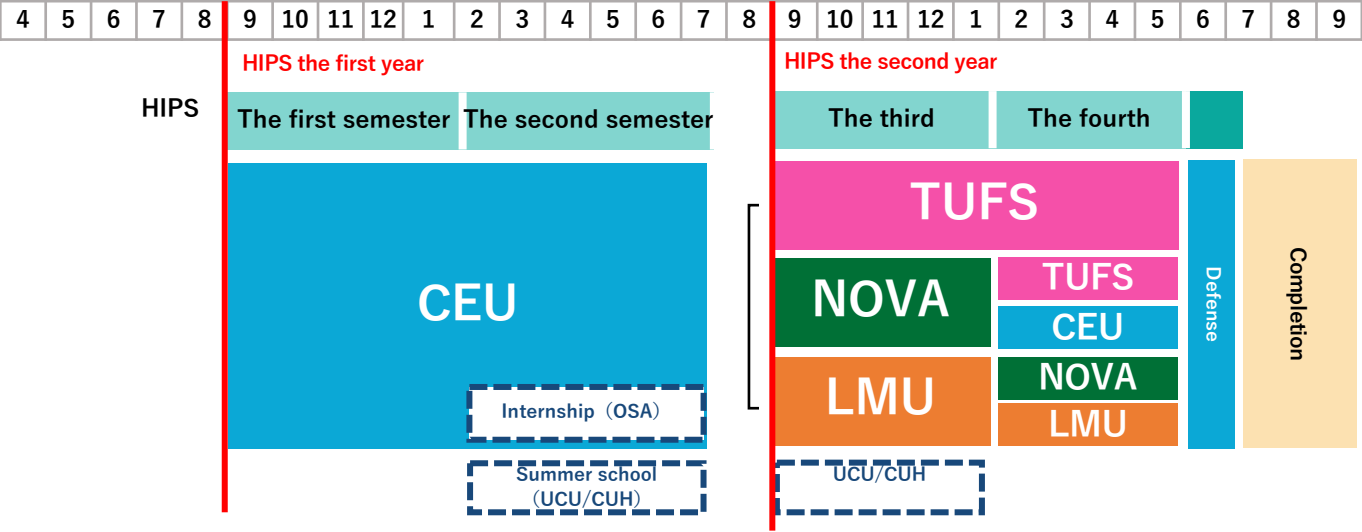




Japanese students



EU students



Challenges



- Accommodating different academic calendars
- Translating Japanese credits to ECTS
- Harmonizing different academic cultures and philosophies, vis-à-vis the external evaluation
- **Most important!**

The Double Degree Program HIPS was created on the base of long academic cooperation between CEU and TUFS

The mutual trust is necessary to solve many problems in running the program beyond the essential difference of institutional structure, academic culture and philosophy among the consortium member universities

Ordinary model at TUFS		credits	In case of HIPS students	credits	ECTS	semester
[TUFS]Mandatory courses	Fundament of International Studies	2	Core course I	2	4	Winter 2021
	Seminar of International Exchanges	2	Core course II	2	4	Spring 2021
			Student conference	2	4	*Summer 2021
	Research Thesis Project	4	Research Thesis/Capstone Project and defense	4	8	**Fall 2021 and Spring 2022
			final project workshop	2	4	Spring 2022
	Academic English	1	Academic English	1	2	Winter 2021
	Academic English	1	Academic English	1	2	Spring 2021
[TUFS]Mandatory elective courses		12	practical experience and skills at TUFS	2	4	Winter 2021
			[transfer]core course at CEU	4	8	
			[transfer]core course at UniFi/NOVA	4	8	
			[transfer]one of ME course at CEU	2	4	
[TUFS]Elective courses		8	[HIPS]Mandatory elective course	2	4	Spring 2021
			[HIPS]Mandatory elective course	2	4	Spring 2021
			[HIPS]Elective course	2	4	Winter or Spring 2021
			[HIPS]Elective course	2	4	Spring or Summer 2021
		30		34	68	

Thank you!

Summary

- ✓ Complementary approach to the difference in style of master program
 - ✓ Adjustment of mobility scheme to incorporate discrepancy in academic calendar
 - ✓ Quality assurance based on mutual trust among HEIs
 - ✓ Institutional support to cover inconsistency in scholarship policy
- Joint degree?

References

- Guidelines for Building International Joint Diploma Programs Including Double and Joint Degree Programs. Central Council for Education Working Group on the Internationalization of Universities, Japan (2014).
https://www.mext.go.jp/component/b_menu/shingi/toushin/_icsFiles/afieldfile/2015/04/17/1356863_1.pdf
- Euro-Asian/Pacific Cooperation in Erasmus Mundus. State of play report. European Commission, European Education and Culture Executive Agency, Erasmus Mundus Support Initiative, Lanzuela, M., & Fernández-Figares, I. (2024).
<https://erasmus-networks.ec.europa.eu/stateofplayjointdegreesem>

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