

日中韓学生交流に対応した環境づくり 「実施体制ガイドライン」

NIAD-UEシンポジウム

国際共同教育プログラムの質保証

日中韓の連携による教育の質モニタリングを通して見えてきたことは

東京工業大学

日中韓先進科学技術大学教育環

構想責任者 原 正彦

「実施体制ガイドライン」

- 1) Implementation Guidelines for
TKT CAMPUS Asia Consortium
- 2) Appendix to the Implementation
Guidelines

NIAD-UEシンポジウム

国際共同教育プログラムの質保証

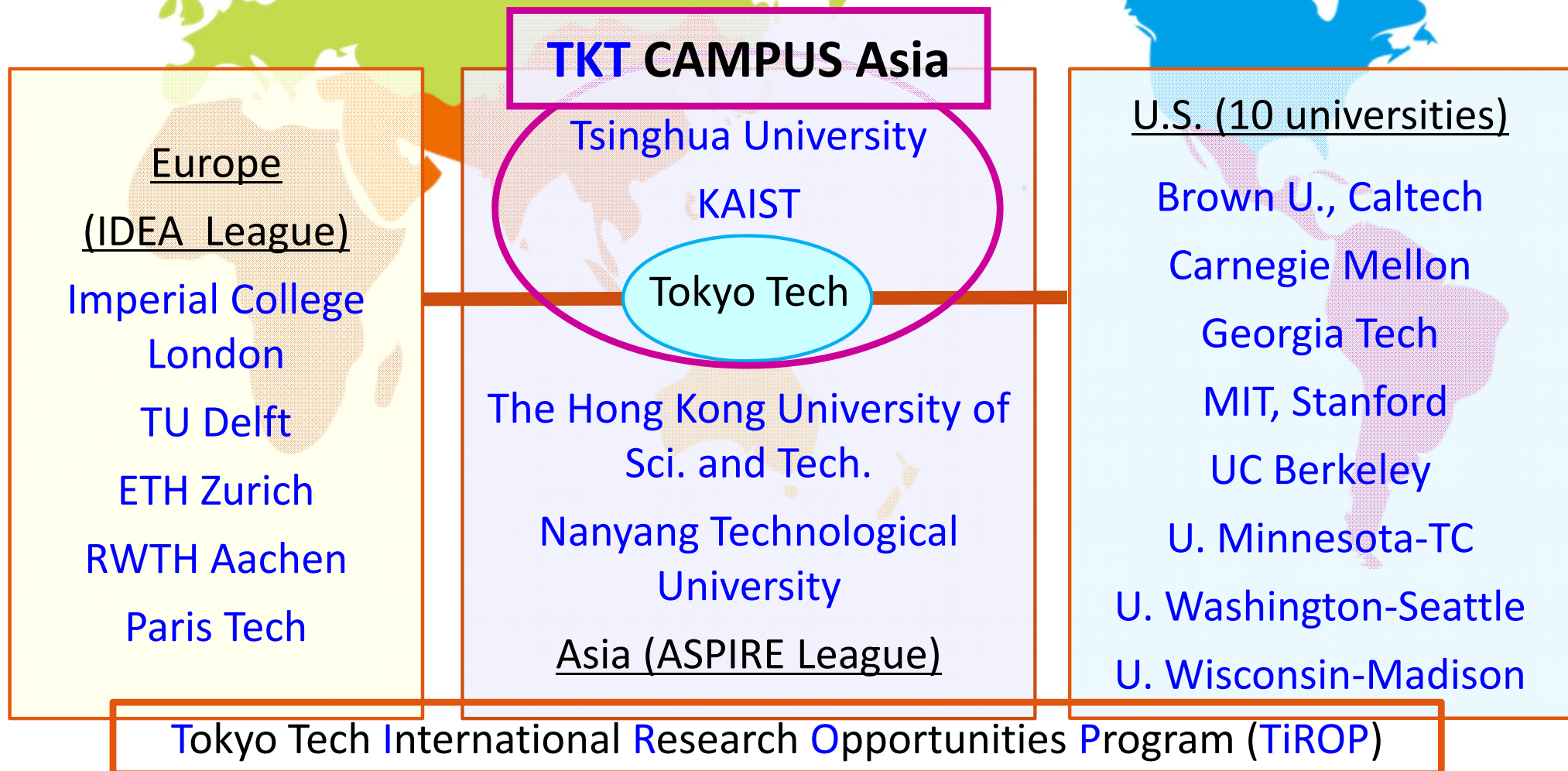
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Tokyo Tech International Education and Research Program (TIER) Network



Summer Program Calendar

Event	June	July	Aug.	Place/Org.
Lab Research	←————→			Host's Lab
Survival Japanese	4-17, 18-27	1-10, 14-24		S6-409A
High Tech Japan	17-25			Campus & Off-site
Opening Ceremony		2		W8-10F, 13:30
Summer School		↔		Various
Tea Ceremony		8		International House
Special Lecture		14		W9 MPD Hall 15:00
Tokyo Bus Tour		21		Life Safety L Center
RAKUGO Live			5	H-111, 15:00
Workshop (MISW)			7-8	TTF
Closing Ceremony			22	W8-10F

Note: Aug. 9 start of summer vacation, Aug. 9-10 e-off, 11-12 Univ. closed

Implementation Guidelines for TKT CAMPUS Asia Consortium

- 1. Organization to Implement the Program**
- 2. Forms of Exchanges**
 - (a) semester long exchanges with course study and/or lab work**
 - (b) summer programs**
 - (c) research-oriented joint educational programs**
- 3. Number and Eligibility of Exchange Students**
- 4. Exchange of Information on Educational Programs and Research Opportunities**
- 5. Procedures of Program Announcement, Selection, Nomination, and Acceptance**
 - 5-1. Program Announcement**
 - 5-2. Selection**
 - 5-3. Nomination**
 - 5-4. Acceptance**
- 6. Planning of the Study and Research Activities**
- 7. Study and Research Plan/Record**
- 8. Status of Exchange Students at the Receiving University**
- 9. Financial and Other Responsibility**
 - 9-1. Tuition Fees**
 - 9-2. Financial Support to the Participating Students**
- 10. Report of Students' Educational and Research Results by the Receiving University**
- 11. Recognition of Students' Educational and Research Results at the Sending University**
- 12. Implementation of Monitoring of Students and Evaluation of the Program**
- 13. Cooperation with Education Ministries and Quality Assurance Councils of the three countries**
- 14. Appendix**
- 15. Term of Validity**

Appendix to the Implementation Guidelines




Part 1. Organization and Outline of the Program

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2. Forms of exchanges




	 清华大学 Tsinghua University	 KAIST	 東京工業大学 Tokyo Institute of Technology
(a) semester long exchanges with course study and/or lab work	Yes, Application time for spring semester is from October 15 to November 30 (previous year) while for fall semester is from March 15 to April 30 (present year)	Available	(Tokyo Tech receives students from KAIST and Tsinghua university under the bilateral MOU)
(b) summer programs	No summer program at university-level offered by Tsinghua now.	Available	The objective of the programs is for students to participate in a lab-based research project and to attend summer school. Students are required to stay for more than 2 months.
(c) research-oriented joint educational programs	Research only program for doctor course students is available.	Available depending on mutual agreement between the research or academic advisors or department head of two universities.	The objective of the program is for students to participate in a lab-based research project, while taking some courses. The program starts in October and ends in February.
Other forms of exchanges	Students under Tsinghua - Tokyo Tech Joint Graduate Program may be supported.		Students under Tokyo Tech-Tsinghua Joint Graduate Program may be supported.

3. Academic calendar (2014-2015)






Start of Academic Year	Sep. 1	Mar. 1	Apr. 1
Start of Spring Semester	Mar. 2	Mar. 3	Apr. 7
End of Classes for Spring Semester	Jun. 16	Jun. 20	Jul. 25
Final Exams of Spring Semester	Jun. 22 – Jul. 5	Jun. 16 – 20	Jul. 28 – Aug. 7
Summer Holidays/ Summer Session	Jul. 6 – Sep. 13	Jun. 22 – Aug. 31 Jul. 30 – Aug. 14	Aug. 8 – Sep. 30
Start of Fall Semester	Sep. 22	Sep. 1	Oct. 2
Winter Break	Jan. 1 – Jan. 3	Dec. 20 – Jan. 30	Dec. 26 – Jan. 4
End of Classes for Fall Semester	Jan. 10	Dec. 19	Jan. 31
Exams of Fall Semester	Jan. 12 – Jan. 24	Dec. 15 – 19	Feb. 2 – Feb. 13
Spring Break	Jan. 26 – Mar. 1	Feb. 1 – 28	Feb. 14 – Mar. 31

4. Status of exchange students




		
<p>Recognized as full-time non-degree seeking student at Tsinghua. The students can take courses both at undergraduate and graduate levels, as well as join laboratories for research once get professors' acceptance.</p>	<p>Recognized as international exchange student who does not need to pay tuition and admission fees. They will be treated as part of the regular non-degree seeking students at the moment and provided with the on-campus housing. The dormitory fees should be paid by the incoming students.</p>	<p>The status of incoming exchange students under the TKT CAMPUS Asia Consortium is "International Exchange Student (non-regular, non-degree seeking student)". Tokyo Tech waives the entrance, admission, and tuition fees. Students are assigned to a laboratory where they study and conduct research under the guidance of a Tokyo Tech academic advisor.</p>

5. Financial support

	 清华大学 Tsinghua University	 KAIST	 東京工業大学 Tokyo Institute of Technology
to sending students			
Air Ticket	Not available	Not Available	Economy class round trip air tickets are provided
to receiving students			
Stipend	A stipend of 1,700 YUAN/month for general exchange students while 2,000 YUAN/month for senior exchange students (with master degree)	800,000 Korean Won for undergraduate students 900,000 Korean Won for graduate students	A stipend of 80,000 yen/month will be provided.
Accommodation	On-campus room is provided. (Free of Charge)	On-campus housing (Fee should be paid by the incoming students.)	Off-campus accommodations (free of charge) are provided.




6. Recognition procedure of the credits obtained at partner univ.

6-1. Coursework

		
<p>Similar or related courses and credits earned at partner universities can be transferred and recognized once approved by academic office of related departments.</p>	<p>Credits can be transferred by the University as pass/non-pass base depending on the approval by the professors at the department who are teaching the similar topics or department head.</p>	<p>Before departure, students are requested to consult with department head (UG) or academic advisor (G) concerning the recognition of the credit. After returning to home university, students must submit academic transcript and other documents such as course syllabus, academic calendar, class schedule issued by the host university to the registrar. Credits obtained at partner universities are recognized by the President based on the decision of the faculty meeting. Grading of the recognized credits is “pass”.</p>

6. Recognition procedure of the credits obtained at partner univ.

6-2. Research activities

		
<p>Research at partner universities, which is conducted during summer and winter holiday, can be recognized as 1 credits for research of one week. The calculation is by inference and the maximum period for research is 5 weeks. The recognition also need the approval from academic office of related departments.</p>	<p>Credits can be transferred by the University as pass/non-pass base depending on the approval by the academic advisor or department head (undergraduate) or research (graduate) advisor at the department.</p>	<p>Before departure, students are requested to consult with department head (UG) or academic advisor (G) concerning the recognition of the credit. After returning to home university, students must submit academic transcript and other documents such as course syllabus, academic calendar, class schedule issued by the host university to the registrar. Credits obtained at partner universities are recognized by the President based on the decision of the faculty meeting. Grading of the recognized credits is “pass”.</p>

7. Semester system/Requirements for graduation

7-1. Semester system

Question: How many semesters/terms does your university have? When each semester/ term starts and how many weeks it continues?



- 3 semester-system (fall, spring, summer)
- Fall semester (semester 1): 18 weeks (incl. exams)
Starting in September
- Spring semester (semester 2): 18 weeks (incl. exams)
Starting in February
- Summer semester (semester 3): 12 weeks starting in June



- KAIST has semester system, i.e., two (spring and fall) semesters.
- Spring semester or semester 1 starts in March
- Fall semester or semester 2 starts in September.
- Each semester continues for 16 weeks of lectures and exams.



- 2-semester system (spring and fall)
- Spring semester (semester 1): 15 weeks starting in April+1 week exam
- Fall semester (semester 2) : 15 weeks starting in October+1 week exam

7. Semester system/Requirements for graduation

7-2. Number of academic years for graduation

Question: How many academic years are needed to complete the undergraduate and graduate programs?



- **Undergraduate** program: **4 years**
(Medical school: 4-8 years, School of Architecture: 5 years)
- **Master's** program: **2-3 years** (Medical school, for clinical 3 years and no longer than 4 years)

- **Undergraduate** program: **4 years**
(Medical school: N.A.)
- **Master's** program: **2 years**
(Medical school: N.A.)
- **Ph.D** program: **4 years**
- **MS-PhD** program: **5 years**

- **Undergraduate** program: **4 years**
(Medical school: N.A.)
- **Master's** program: **2 years**
(Medical school: N.A.)
- **Ph.D** program: **3 years**
- **Integrated Doctoral Education Program: 3-4 years**

7. Semester system/Requirements for graduation

7-3. Number of credits for graduation

Question: What is the minimum number of credits that are required to obtain for the graduation of undergraduate and Master's Programs. Also, please describe if your university have additional condition for graduation (e.g., thesis).



- **Undergraduate** programs: **170 credits**
- **Master's program:** **23 credits** (In addition to 23credits, **thesis** is required)
(Medical school: for the specialty of bio-engineering, no less than 24 credits)



- **Undergraduate** program: **130 credits**
- **Master's program:** **33 credits** (at least **21 credits for course work**. In addition, **12 thesis or additional credits**) and thesis are required.
- **PhD's** or MS-PhD's Program: **60 credits** including 30 credits for coursework plus 30 research credits) and thesis are required



- **Undergraduate** program: **124 credits**
- **Master's program:** **30 credits** (In addition to 30 credits, **thesis** is required for Master's degree.)

8. Credit system/Credit transfer system

8-1. Number of credits per class

Question: What is the most common number of credits per each of the classes (lectures, lab works, seminars, etc.)?



- One lecture class is usually 2-3 credits.
- One lab work class is usually 1-3 credit (only for undergrad.)
- One seminar class is usually 1-2 credits.



- One lecture class is usually 3 credits.
- Lab class(es) can be included in the lecture.
- One seminar class is usually 1 credit.



- One lecture class is usually 2 credits.
- One lab work class is usually 1 credit.
- One seminar class is usually 2 credits

8. Credit system/Credit transfer system

8-2. Definition of credit

Question: Whether the credit is defined based on hours of lecture, lab work and seminars (only contact hours), or based on students' overall workload (including homework, self-study and preparation for exams)? Are there any differences in definition between undergraduate and graduate programs?



- Credit for undergrad is recognized based on **hours of lecture and seminar** (both 16 hours a credit), **lab work** (32 hours a credit).
- For graduates, 16 **hours of lecture** is a credit and 10 **times of seminar** with a summary earns one credit.

- Credit is recognized based on **hours of lecture, lab work and seminars** (meeting times).
- There is no difference between undergraduates and graduates.

- Credit is recognized based on **hours of lecture, lab work and seminars** (contact hours).
- There are no difference between undergrads and graduates. (MEXT guidance stipulates 45 hours of students overall workload equals one credit.)

8. Credit system/Credit transfer system

8-3. Calculation of credit

Question: What is the basis of calculation of the credit? [For example, One credit is given for a lecture of one hour per week for a semester (16 hours lecture in total) or for a lab work of two hours per week for a semester (32 hours lab work in total)]



- For undergraduates, 1 credit is given for a **lecture /seminar of one hour per week for a semester** (16 hours lecture in total) or for a **lab work of 2 hours per week for a semester** (32 hours lab work in total)
- For graduates, 1 credit is given for **16 lectures of one hour per week for a semester** (16 hours lecture in total), or for **attending seminar 10 times**.

- 1 credit is given for a **lecture of one hour per week for a semester** (14 hours lecture in total plus two exams such as midterm and final) or for a **lab work of two hours per week for a semester** (32 hours lab work in total).

- 1 credit is given for a **lecture /seminar of one hour per week for a semester** (15 hours lecture in total) plus exam or for a **lab work of two hours per week for a semester** (30 hours lab work in total) plus exam.

8. Credit system/Credit transfer system

8-4. Limit of credit recognition

Question: Is there any limit on credit recognition when students obtain academic credit in foreign countries (e.g., 66 out of 130 credits are recognized at universities overseas)?



- Undergraduate program: **No limit**, but **some credits** earned for course attendance may **not be recognized**.
- Graduate program: **At least ½ credits should be earned in Tsinghua.**



- **66 credits out of 130** credits for undergraduate program
- **24 credits out of 33** credits for master program (students have to study at KAIST at least one year to obtain KAIST's master degree)



- Undergraduate program: **60 credits out of 124** credits
- Graduate program: **10 credits out of 30** credits

8. Credit system/Credit transfer system

8-5. Regulation on credit recognition

Question: What are the regulations on credit transfer system? Does your university only admit foreign university's credits that are compatible with the classes listed in your own curriculum, or do you have any scheme to admit foreign credits of the classes that are not offered at your university?



- Each department has an authority to admit undergraduate credits obtained in other universities based on the courses.
 - For graduates, the Disciplinary Degree Committee is fully empowered for credit recognition and transfer.



- The similar courses in KAIST curriculum will be transferred to 'major' category which had not been taken before at KAIST. But if the course is not in our own curriculum, it is accepted as 'elective.'
 - Each department has an authority for approval for credit transfer.



- Each department has an authority to admit credits obtained in other universities, and the credits that are not in Tokyo Inst. of Tech. curriculum may be admitted as an exception.

8. Credit system/Credit transfer system

8-6. Formula of credit recognition

Question: Does your university have any formula of credit recognition between foreign universities, including universities in Europe and the U.S.?



- For undergraduates, each department has an authority to admit credits and there are no concrete formula for credit transfer, but the courses must meet the course standards of Tsinghua U. for the credits to be transferred.
- For graduates, the Disciplinary Degree Committee is fully entitled to decide how credits earned abroad are calculated and transferred.



- Depending on hours of lecture, laboratory, practice, the credits can be transferred to KAIST credits as pass or non-pass base depending on the approval from the professors, department head or advisors.
- Lectures:
- over 16 hours- 1 credit, over 32 hours- 2 credits, over 48 hours- 3 credits, over 64 hours- 4 credits
 - Laboratory work:
 - over 32 hours- 1 credits, over 64 hours- 2 credits



- Since the credits obtained at foreign universities are usually transferred to similar class of Tokyo Institute of Technology.
- Only in case there are no responding class at TIT, the formula to convert 2 ECTS credits into 1 TIT' s credit may be used (Conversion of other foreign credits are decided by the departments in a case by case basis).

9. Grading system

9-1. Form of grades

Question: What kind(s) of letter grades or other form(s) of grades are commonly used at your university? What are the intervals between each grade?



- Tsinghua U. does not adopt the letter grade system, but has **actual number scoring system**. Full score is 100, and 60 is the minimum requirement to obtain a pass. As for some courses which does not require an examination, excellent (only for undergraduates), pass and fail are given based on the result of review.

A+: 100-95%, A0: 95-90%,
 A-: 90-85%,
 B+: 85-80%, B0: 80-75%, B- : 75-70%,
 C+: 70-65%, C0: 65-60%, C- : 60-55%,
 D+: 55-50%, D0: 50-45%,
 D-: 45-40%,
 F: 40-0%,
 or
 Satisfactory or
 Unsatisfactory

- Tokyo Inst. of Tech does not adopt letter grade system, but has **actual number scoring system**. Full score is 100, and 60 is the minimum requirement to obtain a pass. As to credits obtained at foreign univ. (and in some other cases), only pass/fail scores are given. In case letter grade is needed, the actual numbers are converted as **100~80: A, 79~70: B, 69~60: C, 59~: Fail**

9. Grading system

9-2. GPA system

Question: Does your university introduce GPA (Grade Point Average) System? What is the point attached for each grade? [For example, A=4, B=3, etc.]



• Tsinghua University does not have GPA system for grading students.

A+: 4.3, A0: 4.0, A-: 3.7,
B+: 3.3, B0: 3.0, B-: 2.7,
C+: 2.3, C0: 2.0, C-: 1.7,
D+: 1.3 D0: 1.0, D-: 0.7,
F: 0

• Tokyo Institute of Technology has started implementing GPA system for 2-4 years since 2012 as a trial.

TKT CAMPUS Asia & TiROP 2014

Tokyo Institute of Technology



**COLLECTIVE ACTION FOR MOBILITY PROGRAM
OF UNIVERSITY STUDENTS IN ASIA**