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| Course Number | 06023 |
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2006 「The International Priority Graduate Programs (PGP)」

～Advanced Graduate Courses for International Students～

【1. Profile of the University】

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|------------------------------------|---|---|---|
| ①University Department | Tokyo Institute of Technology | | |
| ②President | AIZAWA Masuo | | |
| ③Address (Headquarters) | 〒152-8550 2-12-1, O-okayama, Meguro-ku, Tokyo | | |
| ④Contact | Division | Head, International Student Division | |
| | Contact person's Name | OKAWA , Harumi | e-mail ryugakusei@jim.titech.ac.jp |
| | TEL/FAX Number | +81-3-5734-3027, 7667 / +81-3-5734-3677 | |
| ⑤Web-Address | http://www.titech.ac.jp | | |
| ⑥Enrollment (only Graduate School) | 667 (include MEXT's Scholarship Students: 294) | | |

【2. Outline of the Course】

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|--|---|
| ①Course | International Program on <i>Effective Utilization of Technology</i> in the Graduate School of Decision Science and Technology |
| ②Degree | Master-Doctor consistent (3-5 years) |
| ③Graduate Course, Department | Dept. of Industrial Engineering and Management |
| | (Address) 2 - 1 2 - 1 , O-okayama, Meguro-ku, Tokyo |
| ④Collaboration (Universities, Graduate courses, Departments) | Dept. of Social Engineering, Dept. of Human System Science, and Dept. of Value and Decision Science in the Graduate School of Decision Science and Technology; and Dept. of Innovation in the Graduate School of Innovation Management |
| ⑤Quota | 8 (include MEXT's Scholarship Students: 4) (include Japanese : some) |
| ⑥Faculties | 24 (Full-time(only for this course): Full-time(at the department offering this course): Part-time: 3) |
| ⑦Representative of the Course | Job Title Dean of the Graduate School of Decision Science and Technology, Professor |
| | Name MUTA Hiromitsu |

【3. Contents of the Course】

(1) Purpose of Establishment

This international graduate program focuses on the “*Effective Utilization of Technology*” as shown in Figure 1 and is targeting mainly those who graduated from engineering departments in universities. It is expected that those students deepen their knowledge and skills on technology, as well as learn using new objects and technology in order to contribute for sustainable development in the twenty first century.

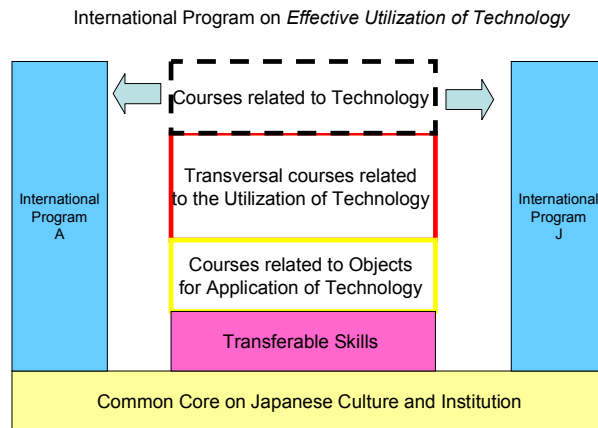


Figure 1. *Effective Utilization of Technology*

(2) Curricula

In this program, there are three core curricula as shown in Figure 2.

- 1) Courses related to Technology provided by other international programs in the University (International Program A, ... , International Program J) (10 credits)
- 2) Transversal courses related to the Utilization of Technology for Business Resources, including Humans, Machines, Materials, Money and Information provided by the Dept. of Industrial Engineering and Management and the Dept. of Innovation (14 credits)
- 3) Courses related to utilization of technology including Humans, Groups, Organizations, Community and Society provided by the Dept. of Social Engineering, the Dept. of Human System Science and the Dept. of Value and Decision Science (4 credits)

Technology, Utilization of Technology and Objects for Application of Technology

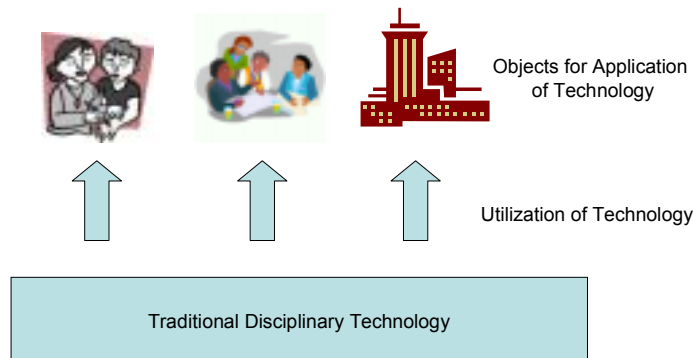


Figure 2. Schematic description of curricula

There are also several courses related to Japanese culture and institution offered jointly with other International programs which will enable alumni students to contribute as a bridge between their country and Japan. In addition, there are two camp-based workshops each year so that students can learn transferable skills including human communication, stress management, negotiation techniques, team work, carrier development, debate and other issues based on interactions with Japanese students.

A typical, and shortest schedule from the entrance of the program to its graduation is shown in Figure 3, which shows the shortest path for obtaining a doctoral degree in three years from the beginning of the master course.

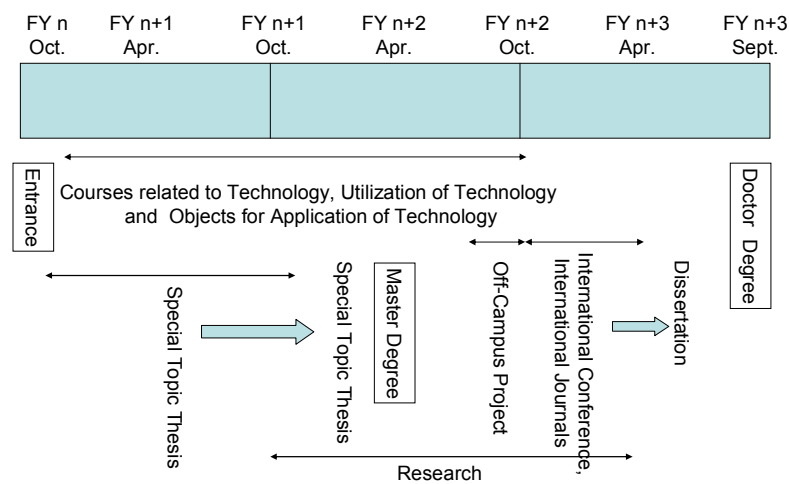


Figure 3. Typical schedule in the program

(3) Language

Starting with the application, English is used for all activities during the program, such as lectures, exercises, experiments, colloquium, master thesis, oral examination for doctor course, mid-term examination, doctoral dissertation, and so forth. However, both English and Japanese will be used in workshops since there is some collaborative work with Japanese students.

(4) Criteria for Acceptance

Example acceptance criteria will be: (prior visit to Japan is unnecessary)

- 1) Equivalent to Top 10% in excellent universities,
- 2) TOEFL score (paper) [or TOEIC] of at least 550 [or 765] (for non-native English speakers),
- 3) Good marks of undergraduate courses (e.g., higher than 3.5 of GPA), and
- 4) Pass the Oral Examination with three professors via Internet.