



Survey on Current Conditions of Entrepreneurship Education at Universities in Fiscal 2009

- *Questionnaire Survey Results* -

December 2009

Japan Entrepreneurship Education Network
for Higher Education

<http://www.jeenet.jp/>



Outline of the Questionnaire Survey

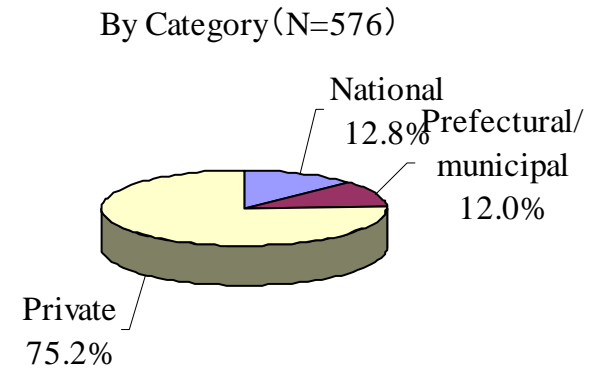
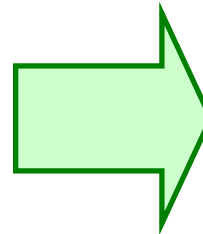
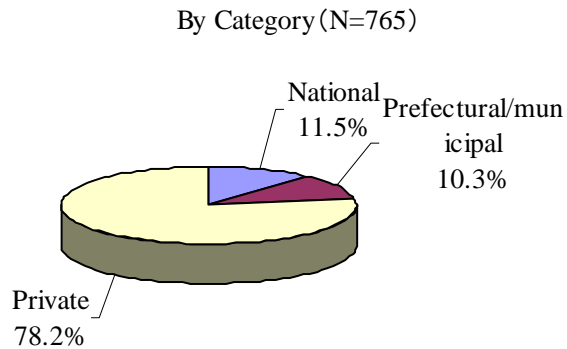
- **Name: Questionnaire Survey based on the “Survey of Current Conditions of Entrepreneurship Education” in the Business-Academia Collaboration Human Resource Development Program in 2009 (Entrepreneur Development Project) [subcontracted by the Office for New Business, METI* to Technology Incubation Research Dept., Daiwa Institute of Research]**
- **Sent to: Instruction departments and teaching staff of 765 colleges and graduate schools.**
- **Period of survey: June 19 to October 30, 2009**
- **Method of questionnaire: Responses collected via the Internet**
- **Questionnaire structure: “University and Graduate School” section and “Subject” section (about 10 questions each). Questions must be separately answered for each subject in the latter section.**

***METI stands for Ministry of Economy, Trade and Industry**

576 Institutions Nationwide Responded (Response rate: 75%)

Number of questionnaires sent

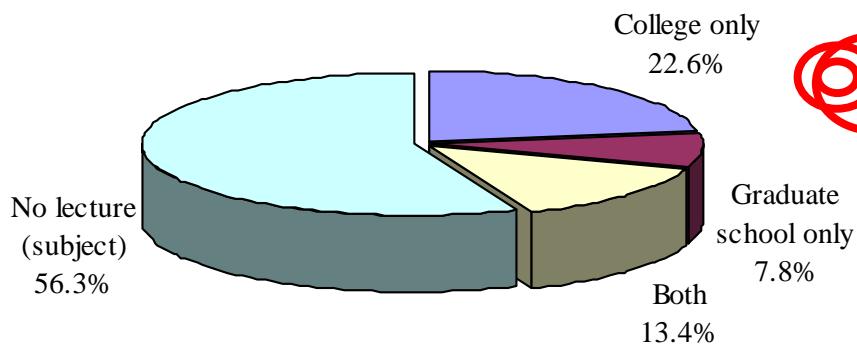
Number of answers collected



Unit: number of institutions

No.	Category	Sent	Collected	Response rate
1	National	88	74	84.1%
2	Prefectural/municipal	79	69	87.4%
3	Private	598	433	72.4%
	Total	765	576	75.3%

Existence of Lectures (subjects) on Entrepreneurship Education



Entrepreneurship education provided by 252 institutions (43.8%).

Unit: number of institutions

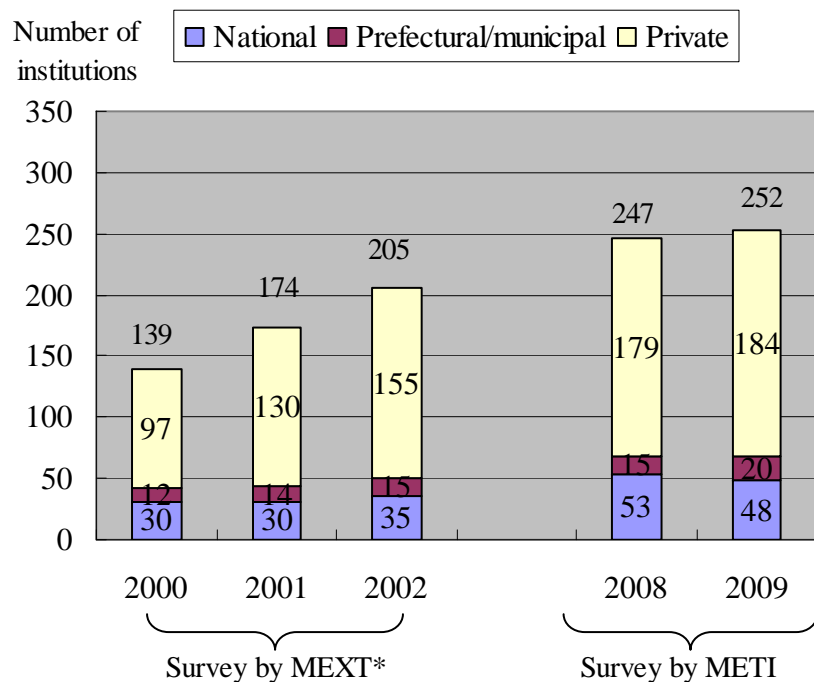
No.	Category	n	%
1	College only	130	22.6
2	Graduate school only	45	7.8
3	Both	77	13.4
4	No lecture (subject)	324	56.3
	Total	576	100.0

Comparison with the Preceding Survey

Results Last Year (number of institutions)

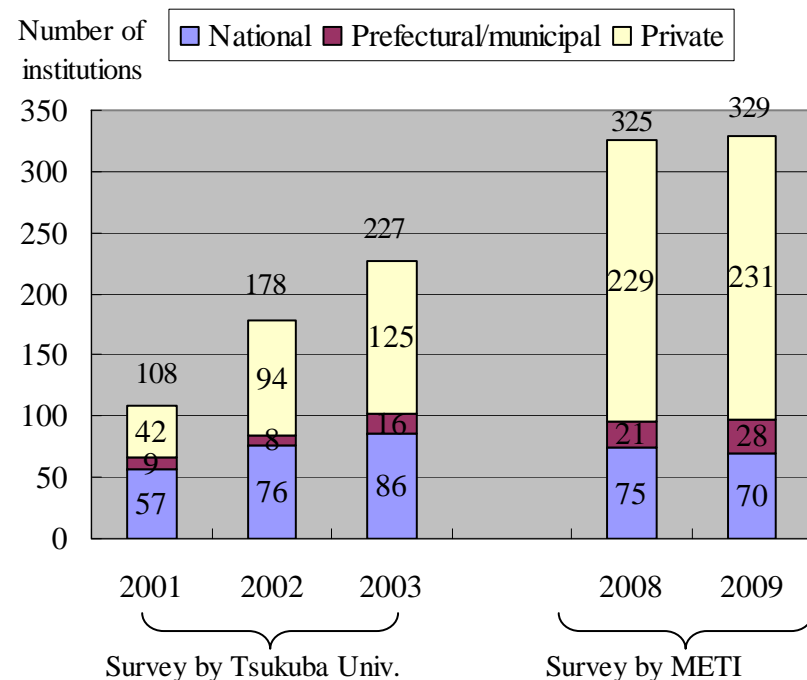
(1) MEXT

“About Innovation of Educational Content at University” (March 2004)



(2) Tsukuba Univ.

“Research and Study on the Issues and Promotional Measures of University Ventures” (March 2004)



(The number of institutions in the survey of Tsukuba Univ. represents the total number of colleges and graduate schools.)

>> The number of institutions offering entrepreneurship education is increasing.

* MEXT stands for Ministry of Education, Culture, Sports, Science and Technology

Ratio of Colleges/Graduate Schools Offering Subjects

2008

Unit: Number of institutions and %

2009

Unit: Number of institutions and %

		Total	Offer subject?			
			College	Graduate school only	Both	No lecture/subject
Total		536 100.0	121 22.6	48 9.0	78 14.6	289 53.9
Category	National	76 100.0	7 9.2	24 31.6	22 28.9	23 30.3
	Prefectural/municipal	61 100.0	6 9.8	3 4.9	6 9.8	46 75.4
	Private	399 100.0	108 27.1	21 5.3	50 12.5	220 55.1

		Total	Offer subject?			
			College	Graduate school only	Both	No lecture/subject
Total		576 100%	130 22.6	45 7.8	77 13.4	324 56.3
Category	National	74 100%	7 9.4	19 25.7	22 29.7	26 35.1
	Prefectural/municipal	69 100%	9 13.0	3 4.4	8 11.6	49 71.0
	Private	433 100%	114 26.3	23 5.3	47 10.9	249 57.5

The ratio of national universities that answered “Graduate school only” and “Both” is high.

The ratio of private universities that answered “College only” is high.

64 Institutions Offer Courses or Majors

- Forty colleges and 35 graduate schools (64 institutions, if duplications excluded) offer courses or majors in entrepreneurship education, accounting for 11.1% of valid responses.

2008

College	Valid response	Number of institutions offering courses	Ratio
Total	536	30	5.6%
National	76	3	3.9%
Prefectural/ municipal	61	2	3.3%
Private	399	25	6.3%

2009

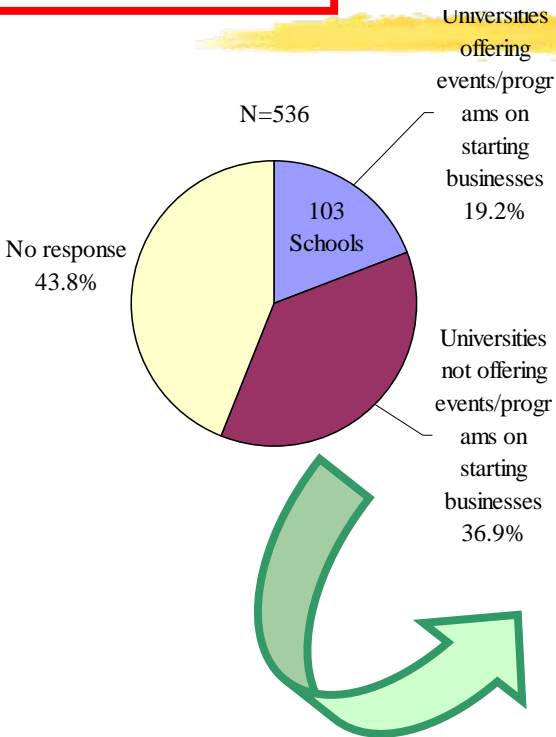
College	Valid response	Number of institutions offering courses	Ratio
Total	576	40	5.9%
National	74	1	1.4%
Prefectural/ municipal	69	3	4.4%
Private	433	36	8.3%

Graduate school	Valid response	Number of institutions offering courses	Ratio
Total	536	34	6.3%
National	76	9	11.8%
Prefectural/ municipal	61	1	1.6%
Private	399	24	6.0%

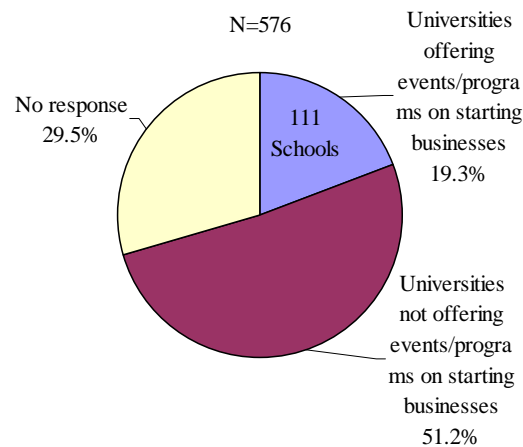
Graduate school	Valid response	Number of institutions offering courses	Ratio
Total	576	35	6.1%
National	74	10	13.5%
Prefectural/ municipal	69	3	4.4%
Private	433	22	5.1%

Approach to Programs and Events

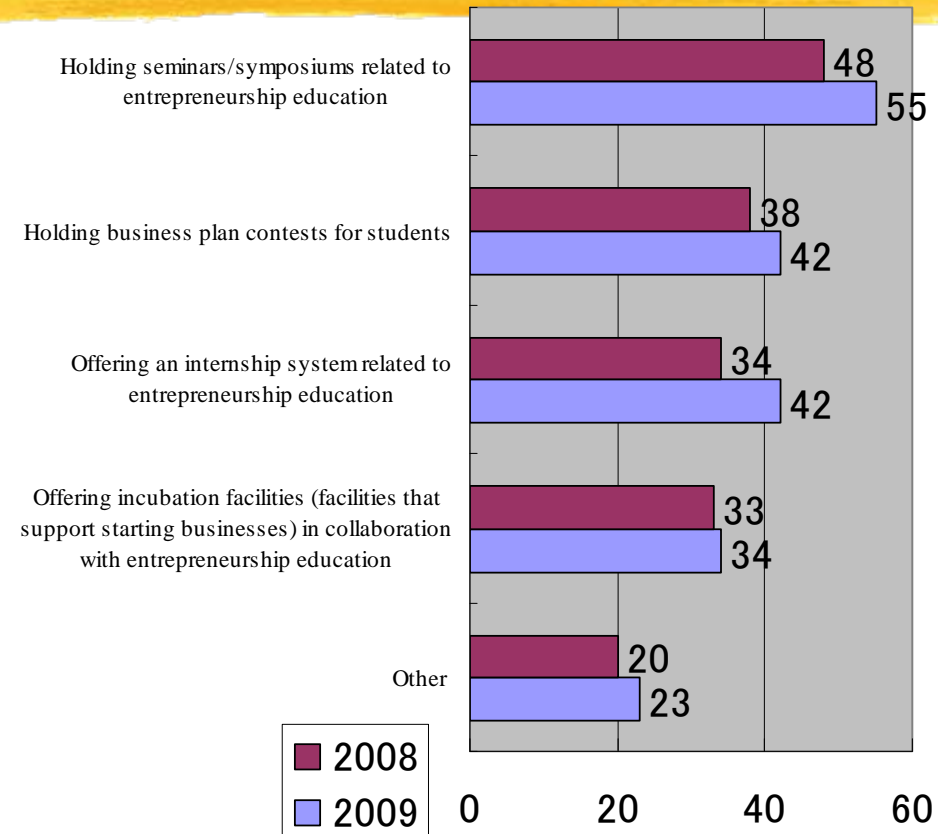
2008



2009



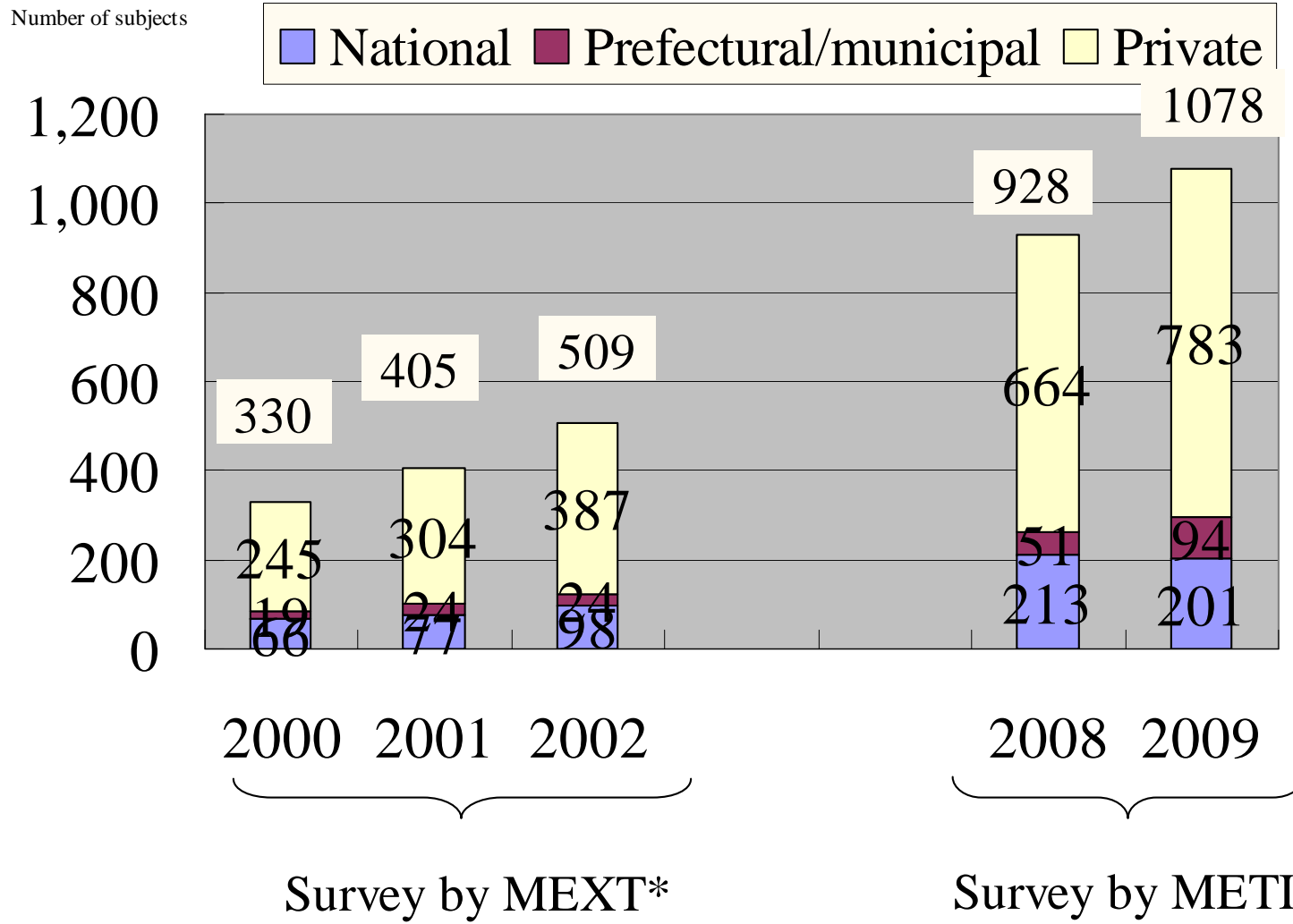
Unit: number of institutions



Approximately 20% of universities offer programs or events in addition to class work (subjects).

Institutions that answered “Graduate school offers the subject” and “Both college and graduate school offer the subject” offer more events and programs than others.

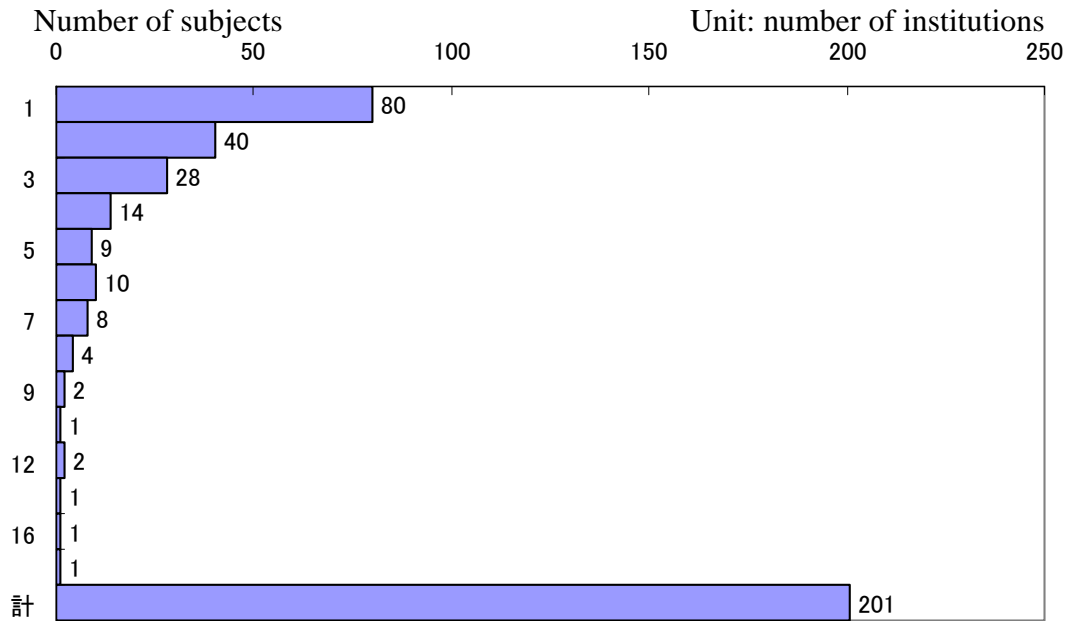
Comparison with the Preceding Survey Results Last Year (number of subjects)



Number of Subjects and Breakdown (Colleges)

201 colleges offer 593 subjects in total, increasing 13.4% compared to last year (200 colleges and 523 subjects)

Distribution of the number of subjects (Colleges)N=593



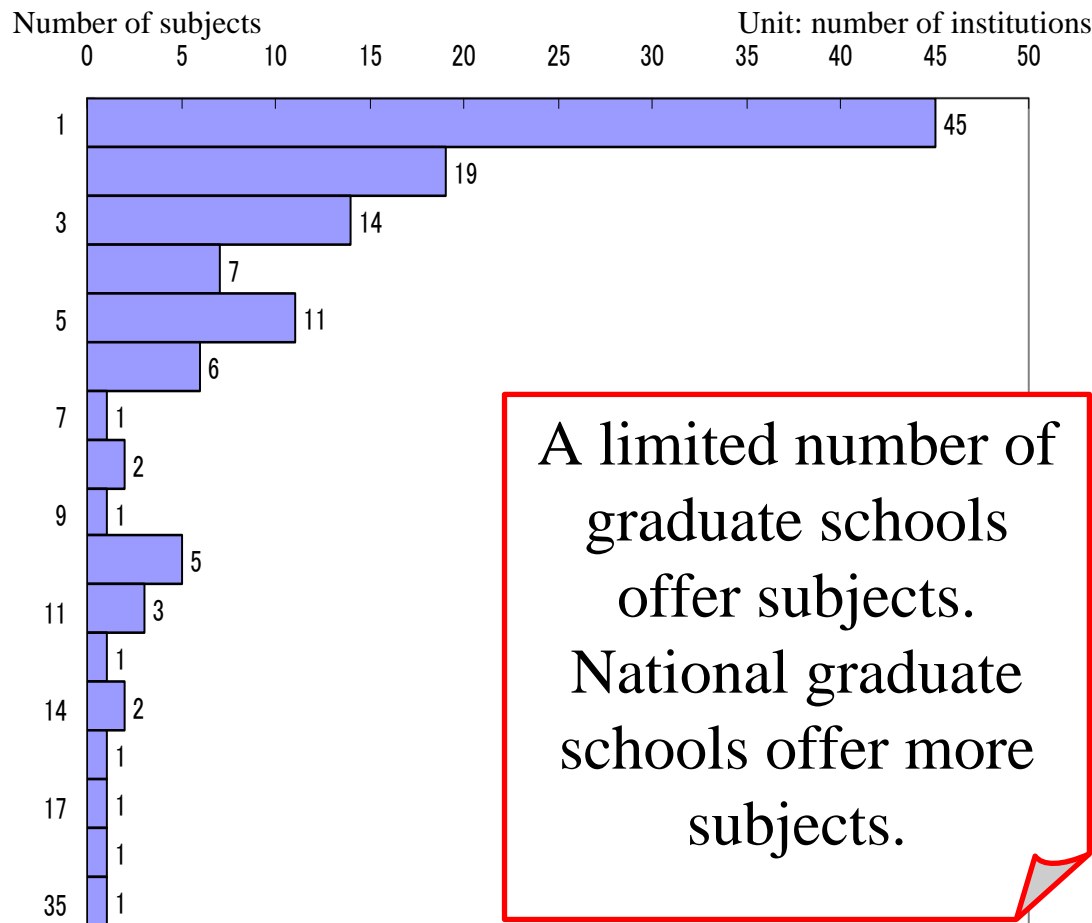
Subject (college)	Number of valid response	college offering subject(s)	Number of subjects	Average number of subjects per university	
Total	576	201	593	3.0	
Category	National	74	29	50	1.7
	Prefectural/municipal	69	17	41	2.4
	Private	433	155	502	3.2

Private colleges offer more subjects.

Number of Subjects and Breakdown (Graduate schools)

121 graduate schools offer 485 subjects in total, increasing 19.8% compared to last year (126 schools and 405 subjects)

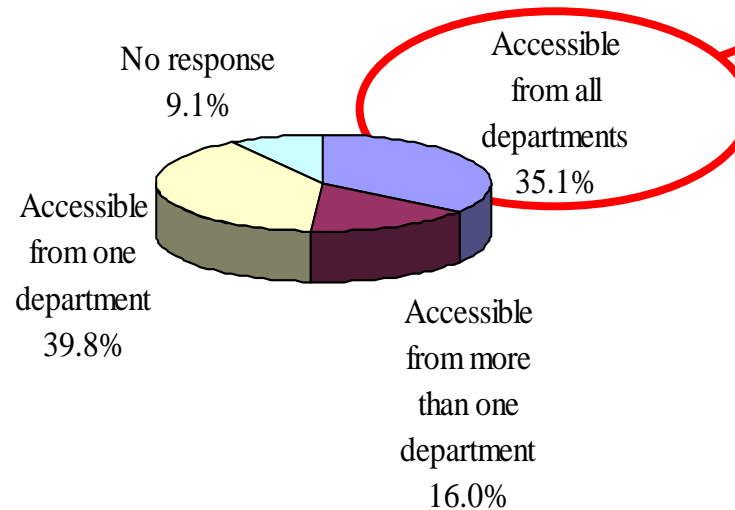
Distribution of the number of subjects (Graduate schools)N=485



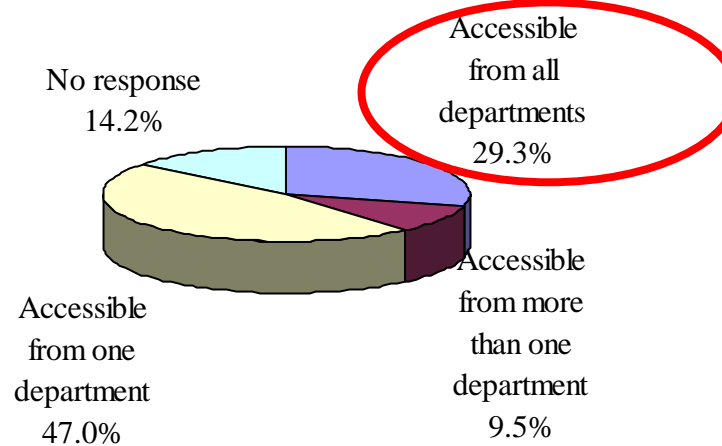
A limited number of graduate schools offer subjects. National graduate schools offer more subjects.

Subject (graduate school)	Number of valid responses	Graduate school offering subject(s)	Number of subjects	Average number of subjects per school
Total	576	121	485	4.0
Category	National	74	41	3.7
	Prefectural/municipal	69	11	4.8
	Private	433	69	4.1

Access to Lectures by Department



More than one-third of universities provide access to lectures for students in all departments.

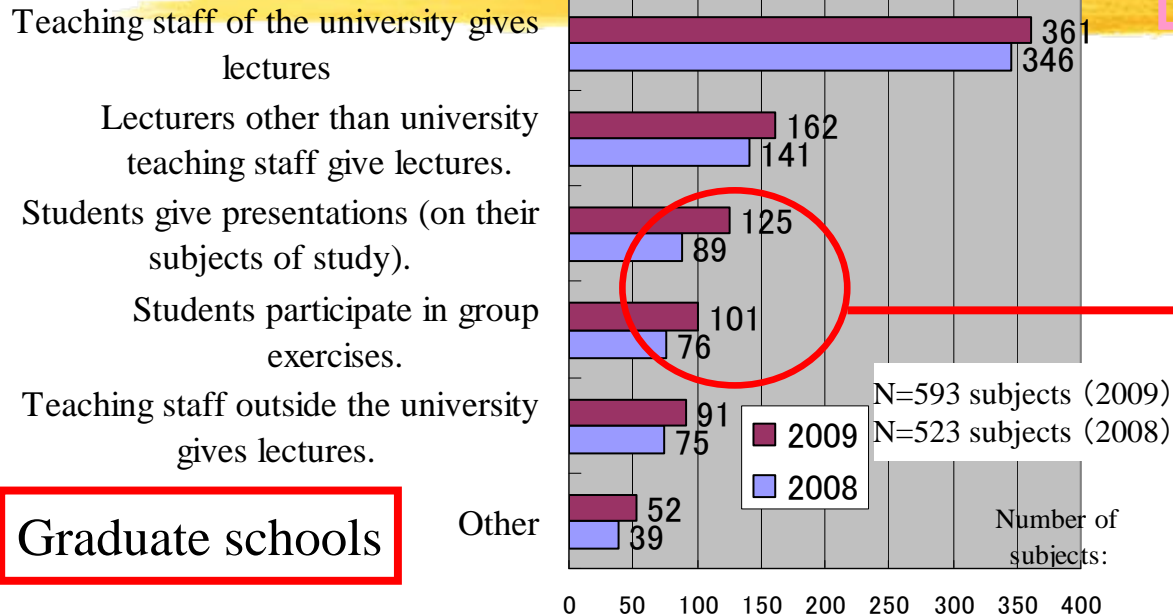


About 30% of graduate schools provide access to lectures for students in all schools.

Comparison of the Teaching Style

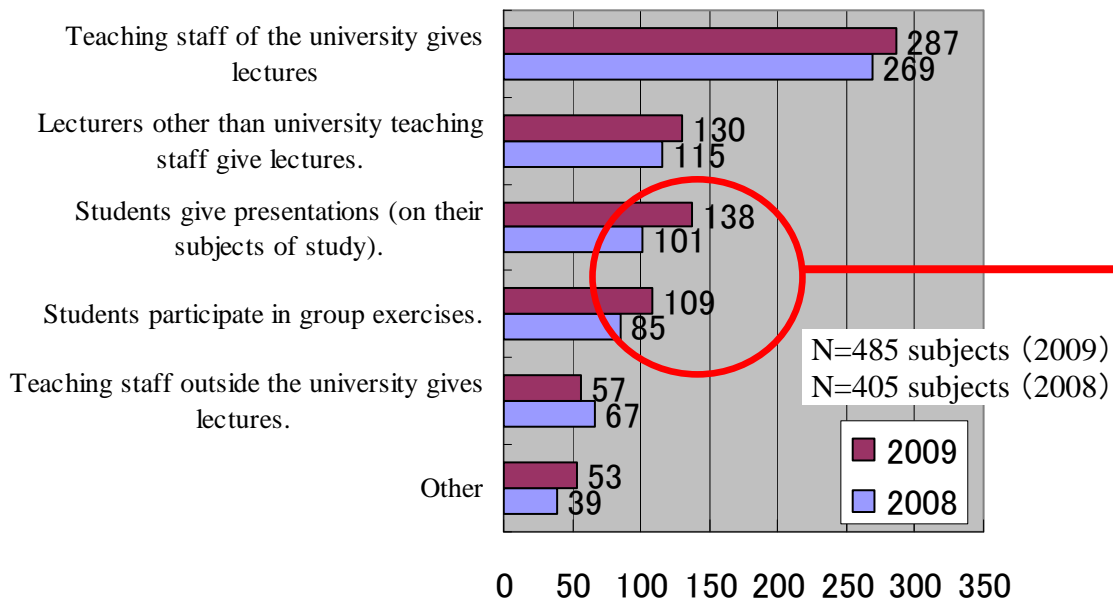
Colleges

A class that consists of student presentations or group exercises is defined as a participation-style class.



138 participation-style classes (23.3%) at colleges in 2009.

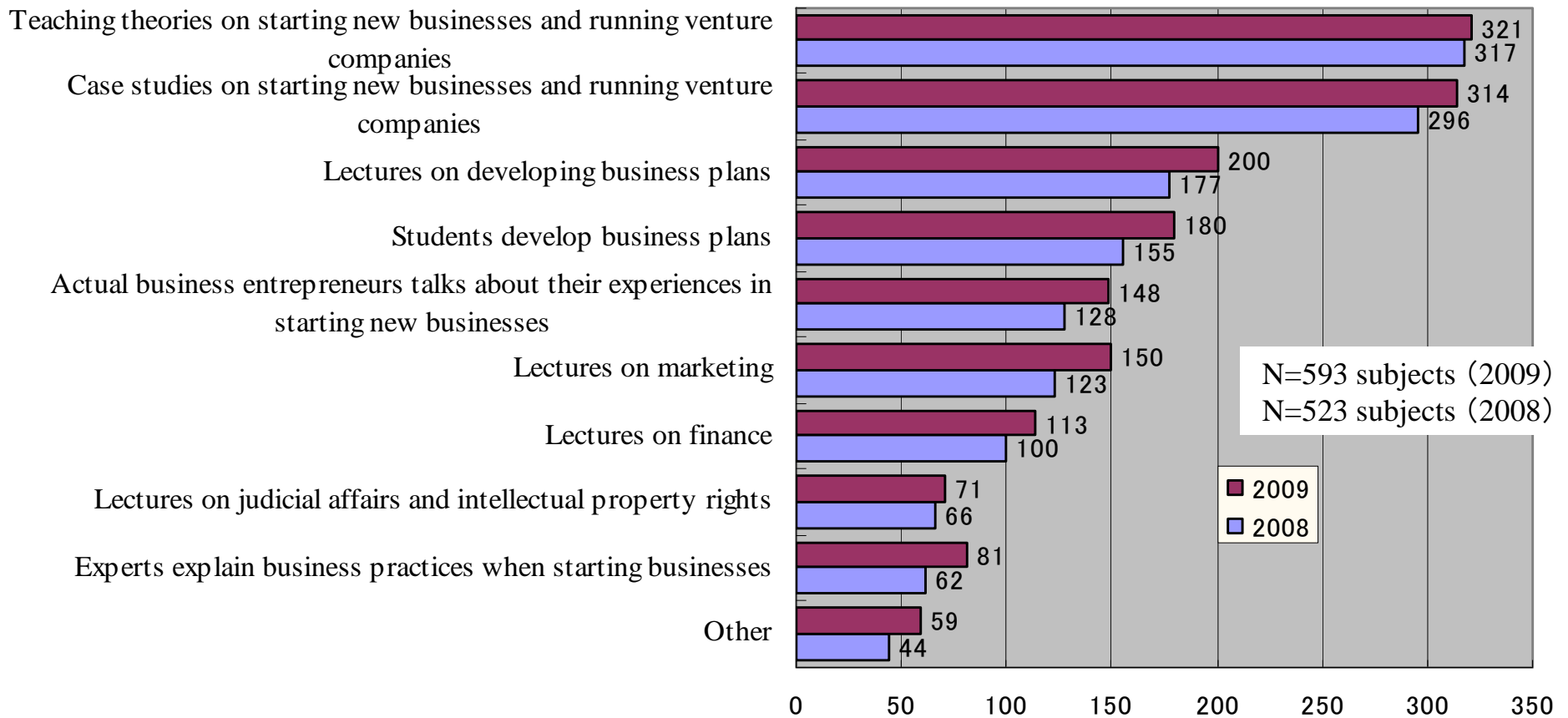
Graduate schools



153 participation-style classes (31.5%) at graduate schools in 2009.

Contents of the Class (Colleges)

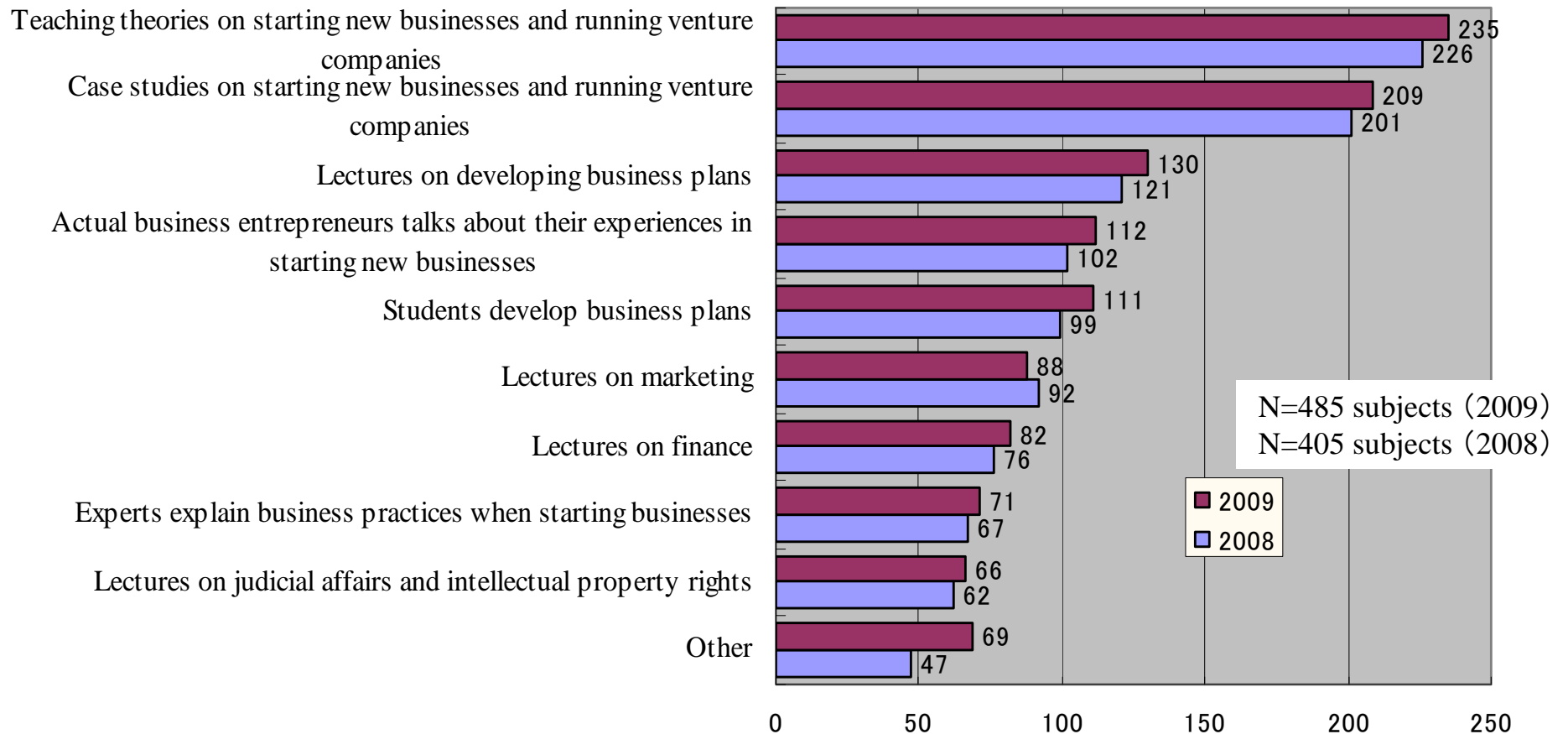
Unit: number of subject



A case study approach is adopted by many colleges.
Students develop business plans in 30% of classes.

Contents of the Class (Graduate schools)

Unit: number of subjects

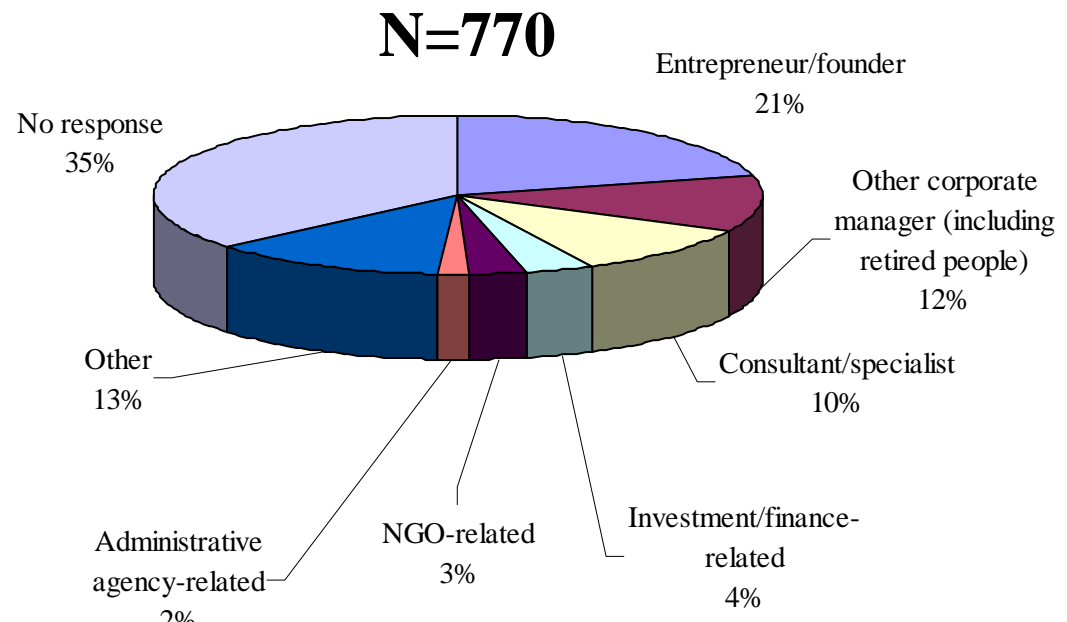


Compared to College data, no outstanding difference in contents is observed.

Utilization of Visiting Lecturers

- 27.3% of colleges use visiting lecturers. >> Total number of visiting lecturers is 498.
- 26.8% of graduate schools use visiting lecturers. >> Total number of visiting lecturers is 272. The total sum of visiting lecturers used by colleges and graduate schools is 770.

By attribution, entrepreneurs, founders and other corporate managers constitute one third.



Summary



- The number of universities offering entrepreneurship education is increasing. In particular, the number of subjects is dramatically increasing.
- About 10% of colleges and graduate schools offer courses or majors on entrepreneurship education.
- Private colleges are positive about entrepreneurship education and national graduate schools provide comparatively well-developed education.
- About 20% of institutions offer programs or events in addition to class work.
- Students in all departments have access to the subject at 30% of universities.
- About 20% of colleges offer participation-style classes. (about 30% of graduate schools)
- About 30% of institutions use visiting lecturers, one third of which are entrepreneurs and corporate managers.

Inquiries about this Questionnaire Survey



To individuals at universities and graduate schools:

If you require additional information about this questionnaire survey,

Please contact:

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Eto or Mizukami (Technology Incubation Research Dept., Daiwa Institute of Research)

Secretariat of the Japan Entrepreneurship Education Network for Higher Education

Phone: +81-3-5555-4406 Fax: +81-3-5202-2074

E-mail: entre-enq@rc.dir.co.jp