Some Problems in Evaluation of Student's Attainment

Focusing on Sci-Tech Specialty Education -

功刀滋

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- Fairness in Evaluation
- 2. Inspection of Program
- 3. Evaluation and the Society
- 4. Visible and Invisible Aspects in the Current Evaluation System 4

1. Fairness in Evaluation in Question

Biases by Subjects

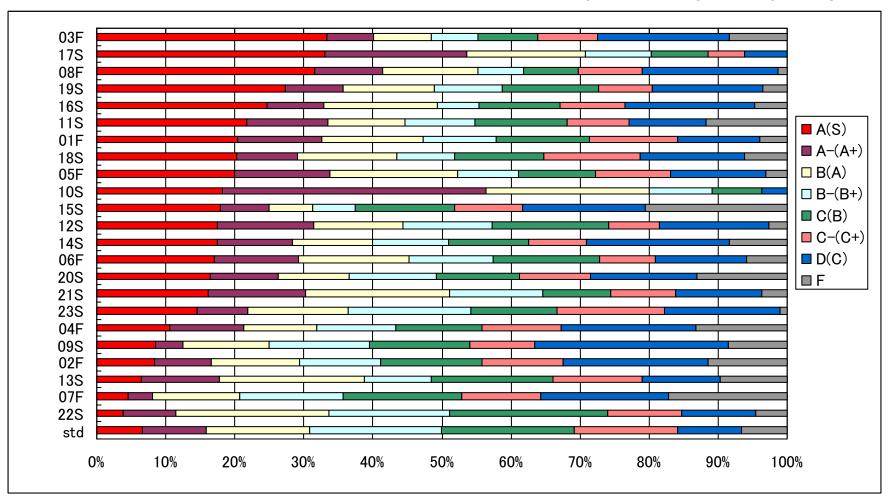
Biases by Subject-Categories

Biases by Teachers

Relation with SET Score

Biases by Subjects

BME Major Basic Subjects, Major Subjects



Biases by Subject-Categories

Category	GPA	Subject	GPA	Style	GPA
Humanity	2.63				
Language	2.40				
Major Basic	2.41	Chemistry	2.21	Lecture	2.04
				Seminar/Practice	2.97
		Physics	2.33	Lecture	2.00
				Seminar/Practice	2.55
		Mathematics	2.64	-	
		Environment/ Biology	1.84	-	
		Information	3.48		
Major	2.25 (except for Graduation project: 2.20)				

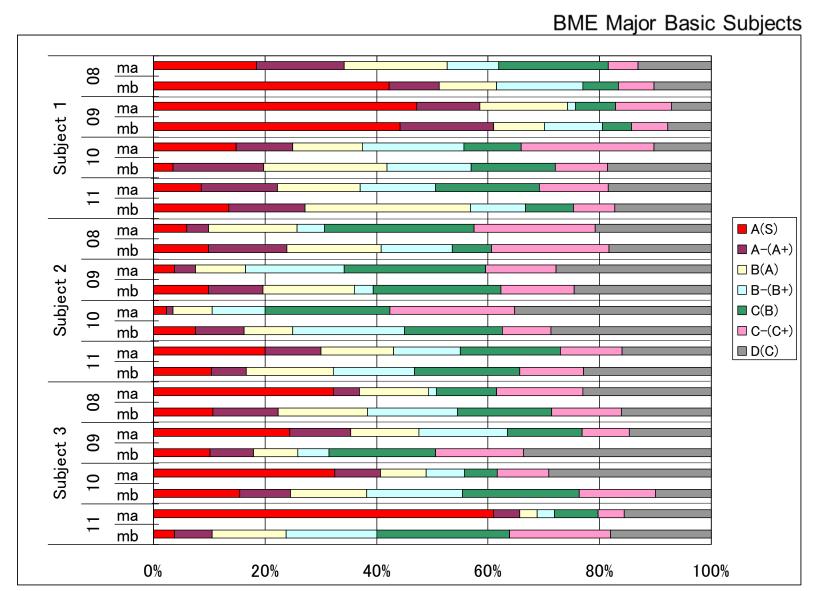
Humanity > Major Basic > Language > Major

Seminar/Practice > Lecture

Major Basic : Information > Mathematics > Physics > Chemistry > Environment/Biology

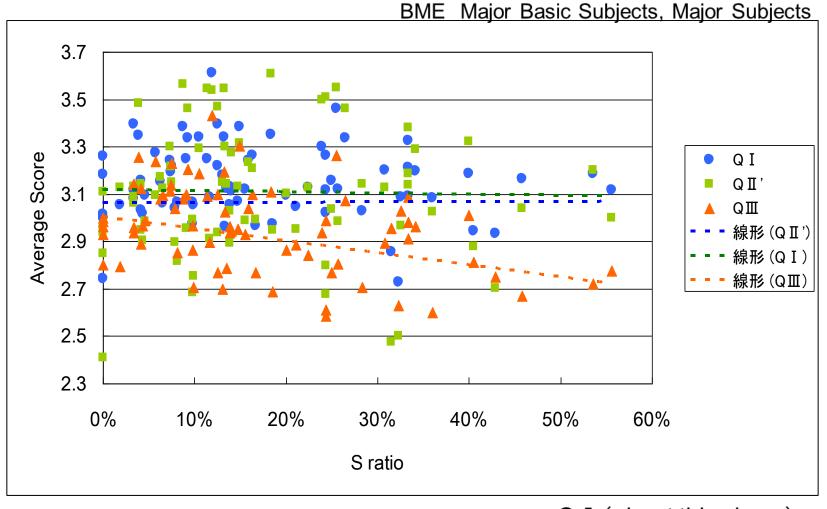
Biases by Teachers

1subject, two classes, divided by students codes. Same syllabus, Same textbook, different teachers.



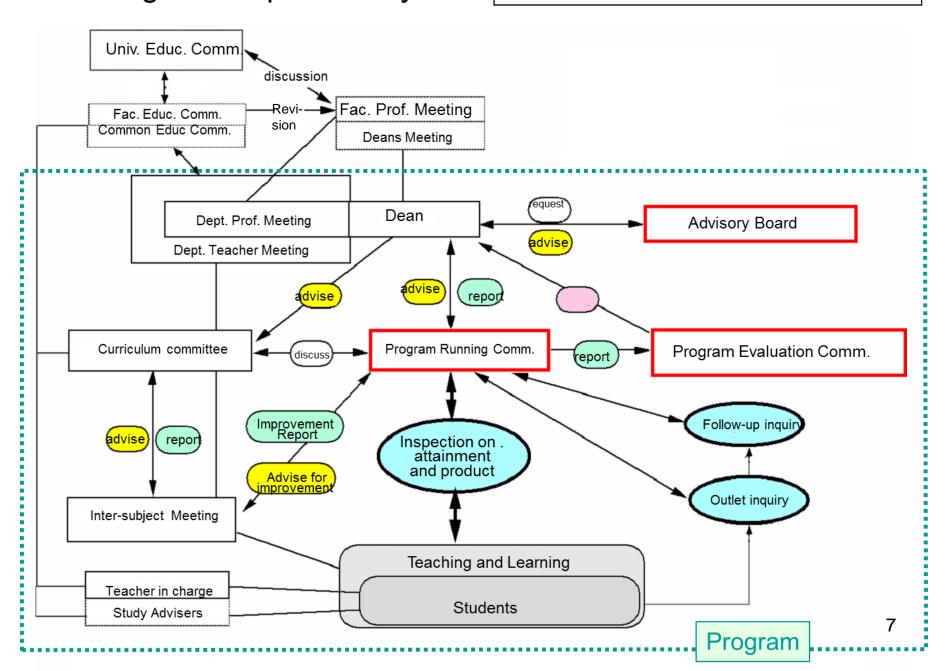
Difference is inexplainable by the uneven distribution of the students with/without readiness.

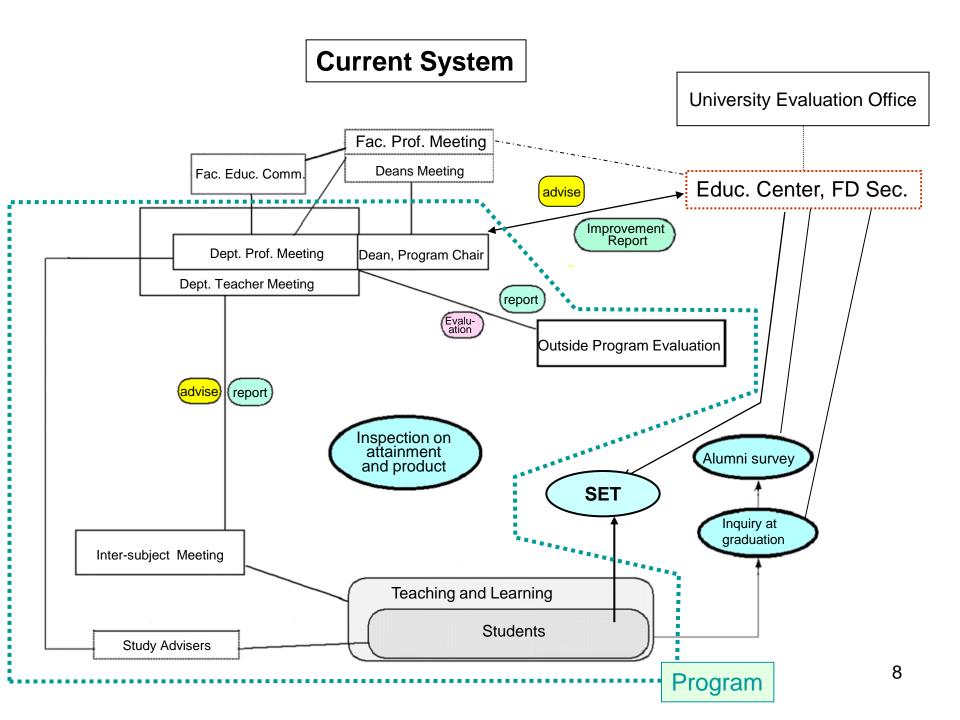
Relation with SET Score



Q I (about this class)
Q II (about the teacher)
Q III (about yourself)

2. Program Inspection System | Inspection System in JABEE ACE Program



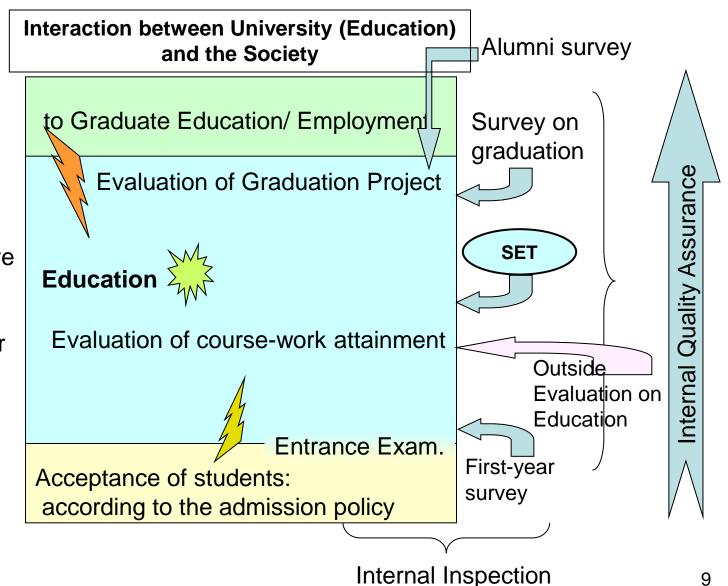


3. Evaluation and the Society

Employers don't believe attainment in University

Students believe the semiautomatic graduation after 4 years.

Strict internal evaluation will cause the decrease of applicants.





Employers don't believe attainment in University.



Strict internal evaluation will cause the decrease of applicants.



Students believe the semiautomatic graduation after 4 years.

- They want to evaluate the applicants by their own way.
 - Very long JOB hunting period.
- •They call the applicants together even during the class term.
- Most of their "own way" is "presentation" and decision by majority.
 - —Less reliable than the University Score (?!)
- They decide very early, while graduation is ambiguous.
- •eg. JABEE universities can attract less applicants.
- If we do the Quality Assurance seriously, we might not be able to attract students, whose quality and ability we can assure.
- Applicants dislike "hard-to-graduate" universities.
- Some student said "when you accepted me, you must allow (let) me graduate!"
- To avoid complex troubles, teachers will give passing grades even to unattained students.
- Office of academic affairs will almost automatically issue graduation-promising certificates.

University doubts the society, and the society doesn't believe universities.

(ONLY University "Brand" is reliable (?))

University must obtain the reliance on the degree by (serious) evaluation.

4. Visible and Invisible Aspects in the Current Evaluation System

Traditional Evaluation: Mainly "Knowledge" to reinforce skill and technique.

However: GPA score and performance of (graduation) project have deviation.

Some students are with higher GPA, but poor idea.

Some are with lower GPA, but good sense in project.

Graduation Project:
Interactive
Seminar/Practice and
more.
Integrated subject

How do we understand the fruits and attainment, which are not quantified?

Self-cultivation (Bildung), Creativity • • Repeatedly described

2012.03 CCE - Univ. SC < Discussion Summary>

2011.04~ School Course Guidelines

2008.12 CCE <Report>

1998.10 UC <Report>

教育 (Japanese: kyou-iku, Chinese: jiào-yù)

教える(teach) 育てる(bring up, foster)

Thank you for your attention.