

## Innovative Assessment Methods in Science Teaching

New methods in assessment have been implemented in this course as a way to enhance learning outcomes.

- The teacher asked you to take part in the development of marking criteria for the assignment in the course yourself (criteria-setting).
- After that, you were asked to use these criteria to judge your classmates' work (peer-assessment), and your own work (self-assessment). The peer-assessment and self-assessment scores became part of your overall scores in the course.

We would like to learn about your opinions about these innovations in assessment. Please help us by answering ALL of the questions below. Your feedback will assist the faculty in continuously improving the assessment methods. THANK YOU!

### **Instructions**

Please fill up the appropriate circle alongside the statements to indicate your level of agreement with the statements below. Choose the one most appropriate response to each question.

- ① — strongly disagree (SD)      ② — disagree (D)  
③ — neither agree nor disagree (N)      ④ — agree (A)  
⑤ — strongly agree (SA)

### **OUTCOMES**

<u>Critical thinking</u>	SD	D	N	A	SA
1. The activity developed my readiness to consider different points of view.	①	②	③	④	⑤
2. The activity enabled me to become more objective in assessing others' work.	①	②	③	④	⑤
<u>Self-managed learning</u>	SD	D	N	A	SA
3. The activity made me take responsibility for my own learning.	①	②	③	④	⑤
4. The activity enabled me to plan my learning because the activity made the requirements of the subject clear to me.	①	②	③	④	⑤
5. The activity assisted me in identifying areas that I need improvement.	①	②	③	④	⑤
<u>Problem solving</u>	SD	D	N	A	SA
6. The activity provided me with opportunities to see how my peers use knowledge in my field to solve problems.	①	②	③	④	⑤
7. I improved my ability to solve problems in my field of study in the activity.	①	②	③	④	⑤
<u>Enhancing understanding</u>	SD	D	N	A	SA
8. I know more about what was important and less important in the subject after the activity.	①	②	③	④	⑤
9. The activity encouraged me to pay more effort to the assignment.	①	②	③	④	⑤
<u>Attitudes</u>	SD	D	N	A	SA
10. The activity made the course assignments more interesting.	①	②	③	④	⑤
11. I enjoyed the innovative assessment activity.	①	②	③	④	⑤
12. The activity made me pay more attention to others' work.	①	②	③	④	⑤

### **PROCESS**

<u>Fairness</u>	SD	D	N	A	SA
13. The processes adopted in the activity made the peer-assessment fair.	①	②	③	④	⑤
14. The processes adopted in the activity made it fair to use the self-assessment marks.	①	②	③	④	⑤
15. The process effectively distinguished performances.	①	②	③	④	⑤
<u>Workload</u>	SD	D	N	A	SA
16. The time used to draw up the marking scheme was reasonable.	①	②	③	④	⑤
17. The workload in assessing my own work and the work of my classmates was manageable.	①	②	③	④	⑤

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**OPEN-ENDED QUESTIONS**

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18. Which aspect(s) of the following tasks did you like best?

(a) Students' setting the assessment criteria themselves

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(b) Students peer-assessing each other's work

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(c) Students' assessing their own work

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19. What improvement(s) do you think can be made to improve any of these tasks?

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20. Any other comments?

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**Personal particulars**

Course: \_\_\_\_\_

Major: \_\_\_\_\_

Year of entrance:

2002

2003

2004

2005

2006

Others, please specify: \_\_\_\_\_

Level:

Undergraduate

Postgraduate

The GPA you received in your previous semester:

Below 1.7

1.7 – 1.99

2.0 – 2.29

2.3 – 2.69

2.7 – 2.99

3.0 – 3.29

3.3 – 3.69

3.7 – 4.0

Not applicable as I am new to the University

**Thank you for completing this questionnaire**