

## External on-line questionnaire

Tsai, S. C. (2012). Integration of multimedia courseware into ESP instruction for technological purposes in higher technical education. *Journal of Educational Technology & Society*, 15(2), 50-61.

15 Items

3 Dimensions

### **Students' self-discipline and motivation**

E1. I pay attention in class.

E2. I always attend the class.

### **Participation and instruction**

E3. What is taught corresponds to the teaching goal.

E4. The teaching materials and handouts are rich.

E5. The teaching content is relevance.

E6. The teacher makes use of the material and gives a systematical explanation.

E7. The teacher gives examples or uses auxiliary tools to facilitate learning.

E10. The preparation and attitude of the teacher is serious and careful.

E11. I recommend others to take this course.

### **Learning effectiveness**

E8. I get some professional knowledge and skills.

E9. The abilities of thinking, analysis and problem-solving are improved.

5-point Likert scale (Very Satisfied (5), Satisfied (4), Average (3), Not Satisfied (2), Disliked (1))

Cronbachs  $\alpha$ : .918