

SOSESC—Physics Key

Reverse scored items are italicized.

I. Performance Accomplishments (PA) 10 items

attainment

1. I received good grades on my assignments in this class.

15. I am poor at doing labs/activities to explore physics questions. R

11. I was rarely able to help my classmates with difficult physics problems. R

4. When I came across a tough physics question, I worked at it until I solved it.

understanding

22. I learned a lot by doing my physics assignments/activities.

8. I found the material in this course to be difficult and confusing. R

17. I rarely knew the answer to the questions raised in class. R

attention

33. I was attentive and involved in what was going on in class.

test-taking

14. I had difficulty with exams/quizzes in this class. R

recall & recognition

30. I can remember the basic physics concepts taught in this class.

II. Vicarious Learning (VL) 7 items

attainment

10. My instructor's demonstrations and explanations gave me confidence that I could solve physics-related problems.

3. Watching other students in class made me think that I could not succeed in physics. R

understanding

23. During this course, I admired my instructor's understanding of physics.

7. Listening to the instructor and other students in question-and-answer made me think that I could not understand physics. R

attention

27. I could relate to many classmates who were involved and attentive in class.

test-taking

19. I identified with the students in this class who did well on exams/quizzes.

recall & recognition

31. Classmates who were similar to me usually had trouble recalling the details taught in class. R

III. Verbal Encouragement/Social Persuasion (S) 7 items

attainment

32. My peers in this course encouraged me that I had the ability to do well on class projects/assignments.

16. The instructor in this course encouraged me to put forth my best efforts.

28. No one in class has encouraged me to go on in science after this course. R

understanding

12. My instructor encouraged me that I could use physics concepts to understand real life phenomena.

attention

5. Working with other students encouraged and motivated me in this class.

test-taking

25. My instructor's feedback discouraged me about my ability to perform well on physics exams/quizzes. R

recall & recognition

20. I got positive feedback about my ability to recall physics ideas.

IV. Emotional Arousal (EA) 9 items

attainment

13. I usually didn't worry about my ability to solve physics problems.

21. *I got a sinking feeling when I thought of trying hard physics problems. R*

9. I enjoyed physics labs/activities.

understanding

18. *Physics makes me feel uneasy and confused. R*

24. In-class discussions and activities helped me to relax, understand, and enjoy my experience in the course.

attentiveness

6. I have usually been at ease in this class.

26. It was fun to go to this class.

test taking

29. *I got really uptight while taking exams/quizzes in this class. R*

recall & recognition

2. *My mind went blank and I was unable to think clearly when working on assignments. R*