

Appendix 1. Student survey tool

Problem-based learning (PBL) experience

1. Are you satisfied in general with your experience with PBL programs?

No, not at all	1	2	3	4	5	Yes, very satisfied
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2. Which of the capabilities listed below do you think you have improved through PBL? (Multiple answers are possible)

<input type="checkbox"/>	Problem-solving skills
<input type="checkbox"/>	Teamwork and collaborative learning skills
<input type="checkbox"/>	Clinical application of medical knowledge
<input type="checkbox"/>	Self-directed learning
<input type="checkbox"/>	Learning motivation
<input type="checkbox"/>	Integration of basic and clinical medicine
<input type="checkbox"/>	Others

3. Which of the following do you think is a problem with the existing PBL program, if any? (Multiple answers are possible)

<input type="checkbox"/>	Assessment factors
<input type="checkbox"/>	Modules
<input type="checkbox"/>	Tutors
<input type="checkbox"/>	Structure
<input type="checkbox"/>	Alignment between basic and clinical medicine
<input type="checkbox"/>	Selected topics
<input type="checkbox"/>	Others

4. The current PBL program selects module topics from content learned in regular course units. Do you think this is helpful for learning clinical knowledge and understanding actual clinical situations?

No, not at all	1	2	3	4	5	Yes, very satisfied
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5. The current PBL program provides a wrap-up at the last session. Do you think the wrap-up class is helpful for understanding the relevant regular course units and the PBL module topics as a whole?

No, not at all	1	2	3	4	5	Yes, very satisfied
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6. Do you think the PBL program promotes learning motivation?

No, not at all	1	2	3	4	5	Yes, very satisfied
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7. Do you think the PBL program helps enhance self-directed study?

No, not at all	1	2	3	4	5	Yes, very satisfied
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8. How would you rate your participation and attitude during the PBL programs?

No, not at all	1	2	3	4	5	Yes, very satisfied
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PBL operational implementation

9. The current PBL program is held with 2 meetings in a week per module. Do you think this is appropriate? Please continue to 9-1 if your answer is “No”.

Yes		No	
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9-1. If you answered “No” to question 9, what frequency would you consider appropriate?

() times per week

10. The current PBL program is offered for 1.5 hours per phase. Do you think this is appropriate? Please continue to 10-1 if your answer is “No”

Yes		No	
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10-1. If you answered “No” to question 10, what length would you consider appropriate?

() minutes per phase

11. The current PBL program is offered in the fall semester of medical year 1 and throughout medical year 2. What do you think would be the most appropriate time to offer the PBL program for it to be effective? Please answer 11-1 if you do not think the current timing of the program in medical school is appropriate.

Maintain the current status: 3 semesters; medical year 1 fall semester to medical year 2 fall semester	
Prefer different timing (continue to 11-1)	

11-1. Which years do you think would be appropriate for a PBL program? (Multiple answers are possible)

	Premedical year 1
	Premedical year 2
	Medical year 1
	Medical year 2
	Medical year 3
	Medical year 4

12. Please specify any positive opinions that you have about the PBL program.

13. Please specify any improvements that you would suggest for the PBL program.