Supplemental digital content for Wittich CM, Agrawal A, Wang AT, Halvorsen AJ, Mandrekar JN, Chaudhry S, Dupras DM, Oxentenko AS, Beckman TJ. Flipped Classrooms in Graduate Medical Education: A National Survey of Residency Program Directors. Acad Med.

Supplemental Digital Appendix 1

The Flipped Classroom Perception Instrument

Flipped classroom: Defined as learning core content prior to a session, with class time devoted to applying the core content in a facilitated, group setting.

Please rate your agreement or disagreement with the following statements regarding a "flipped classroom."

	Strongly disagree (1)	Somewhat disagree (2)	Neutral (3)	Somewhat agree (4)	Strongly agree (5)
Online modules enhance learning. (1)	0	•	0	0	O
Learning key content prior to class sessions enhances learning. (2)	0	O	O	0	O
The combination of online modules with in-class application improves learning. (3)	•	•	0	•	•
Interactive, applied inclass activities enhance learning. (4)	•	O	0	•	•
In-class application of core content enhances learning. (5)	•	O	O	•	•
In-class discussion of core content enhances learning. (6)	O	O	0	O	•
Team projects enhance learning. (7)	0	0	0	0	•

Please indicate how often your program utilizes "flipped classroom" sessio	ch your program unities impled classicom sessions.
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\mathbf{O}	Never

- O Very rarely
- O Somewhat rarely
- **O** Sometimes
- O Somewhat often
- O Very often