

**Table 3.** Sample self-questions to promote faculty metacognition about teaching

Activity	Planning	Monitoring	Evaluating
Class session	<ul style="list-style-type: none"><li>• What are my goals for this class session? How did I arrive at these goals?</li><li>• What do I think students already know about this topic? What evidence do I have for my thinking?</li><li>• How could I make this material personally relevant for my students? Why do I think this?</li><li>• What mistakes did I make last time I taught this and how can I not repeat these?</li></ul>	<ul style="list-style-type: none"><li>• What do I notice about how students are behaving during this class session? Why do I think this is happening?</li><li>• What language or active-learning strategies am I using that appear to be facilitating learning? impeding learning?</li><li>• How is the pace of the class going? What could I do right now to improve the class session?</li></ul>	<ul style="list-style-type: none"><li>• How do I think today’s class session went? Why do I think that? What evidence do I have?</li><li>• How did the ideas of today’s class session relate to previous class sessions? To what extent do I think students saw those connections?</li><li>• How will what I think about how today’s class session went influence my preparations for next time?</li></ul>
Overall course	<ul style="list-style-type: none"><li>• Why do I think it’s important for students pursuing a variety of careers to learn the ideas in my course? What are my assumptions?</li><li>• How does success in this course relate to my students’ career goals? How might I reveal these connections to them?</li><li>• What do I want students to be able to do by the end of this course? Still be able to do 5 yr later?</li></ul>	<ul style="list-style-type: none"><li>• In what ways am I effectively reaching my goals for students through my teaching? How could I expand on these successful strategies?</li><li>• In what ways is my approach to teaching in this course not helping students learn? How could I change my teaching strategies to address this?</li><li>• How is my approach to teaching this course different from last time I taught it? Why?</li></ul>	<ul style="list-style-type: none"><li>• What evidence do I have that students in my course learned what I think they learned?</li><li>• What advice would I give to students next year about how to learn the most in this course?</li><li>• If I were to teach this course again, how would I change it? Why? What might keep me from making these changes?</li><li>• How is my thinking about teaching changing?</li></ul>