APPENDIX C. SURVEY QUESTIONS ON QUALTRICS

Q1. There are three types of learning activities in PeerWise: Authoring, Answering and Commenting. Drag the options to rank the activities from the most (= 1) to least (= 3) amount of effort you used.

______ Authoring
______ Answering
______ Commenting

Q2. There are three types of learning activities in PeerWise: Authoring, Answering and Commenting. Drag the options to rank the activities from your most favourite (= 1) to least (= 3) favourite activity.

______ Authoring
______ Answering
______ Commenting

Q3. There are three types of learning activities in PeerWise: Authoring, Answering and Commenting. Rank the activities from the most (= 1) to least (= 3) effective in learning the content.

______ Authoring
______ Answering
______ Commenting

Q4. Motivation to use PeerWise (Intrinsic Motivation):

Strongly Disagree (1)  Disagree (2)  Neutral (3)  Agree (4)  Strongly Agree (5)

1) I am interested in this learning approach.
2) I participated in PeerWise because I wanted to assess my understanding in Prof Wu's content.
3) I participated in PeerWise because I wanted to expose myself to the various perspectives presented by my peers (E.g. Content-wise and Question and Answer (QAR) strategies).
4) I was motivated to use PeerWise because I wanted to expand my conceptual knowledge in Prof Wu's content.
5) I was motivated to use PeerWise because I am curious as to what kind of questions and comments my peers would make.
6) I was confident that the contents in my peer's statements (Inclusive of questions and answers) were logically sound.

Q5. Motivation to use PeerWise (Extrinsic Motivation)

Strongly Disagree (1)  Disagree (2)  Neutral (3)  Agree (4)  Strongly Agree (5)

1) I participated in PeerWise because of it's gamified nature – I wanted to beat my peers in terms of reputation scores, badge scores e.g.
2) I participated in PeerWise Learning because this was a required assignment and was graded.
3) I was motivated to use PeerWise as I wanted to do well in my exams.
Q6. Authoring Questions:

**Strongly Disagree (1) Disagree (2) Neutral (3) Agree (4) Strongly Agree (5)**

1) Authoring statements (Inclusive of questions and answers) helped me improve in my understanding of this module.
2) I ensured that my explanations to my solutions and distractors (Incorrect options in a Multiple Choice Question) reflected my thought process clearly.
3) My questions largely focused on lecture contents, requiring understanding of scientific terms and concepts.
4) My questions largely focused on application, requiring analyses and evaluation of information from different concepts.
5) I looked for references beyond the lecture notes when I was authoring the questions.
6) I revisited only my lecture notes when I was authoring questions.
7) I made use of ideas from my peer’s questions when I was authoring questions.
8) Creating high-order thinking questions was quite time-costing, so I tend to create simple, content-based questions.
9) I was willing to spend time on creating higher-order thinking or application questions, because it made me learn more.
10) I was willing to spend time on creating higher-order thinking or application questions, because it was appreciated by my peers.

Q7. Answering when using PeerWise

**Strongly Disagree (1) Disagree (2) Neutral (3) Agree (4) Strongly Agree (5)**

1) I put in effort when answering my peer’s questions.
2) Answering my peers’ questions helped me assess my understanding of the content.
3) I rarely looked for references (Inclusive of lecture notes and online resources) to find correct answers.
4) I relied on my peers’ explanations to understand relevant concepts.
5) I answered more than the required number of questions because they improved my learning of relevant topics.
6) I answered more than the required number of questions because it helped me build up my reputation scores.

Q8. Commenting when using PeerWise

**Strongly Disagree (1) Disagree (2) Neutral (3) Agree (4) Strongly Agree (5)**

1) Writing and reading comments on my peers’ statements (Inclusive of questions and answers) helped improve my understanding of the module.
2) I referred to my lecture notes or other resources to make a sound comment.
3) My comments and ratings were usually general and encouraging.
4) My comments and ratings were largely critical and constructive.
5) My comments and ratings were largely based on the accuracy and clarity of the scientific content.
6) I considered not only the content, but what made a particular question more effective than other questions.
7) I made comments to clarify my peers’ confusion and misconceptions, e.g.
8) I would not make comments if it was NOT required for the assignment.