Assessment Analytics of S217
Online Quizzes
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S217 “Physics: from Classical to Quantum” is a new, online, 60pt module covering the key Level 2 content required by the Institute of Physics’ Core of Physics.

Assessment Strategy:
Students complete 5 formative TMAs and 1 summative TMA, plus an end-of-module exam. Each TMA is preceded by an interactive Online Quiz (developed from OpenMark iCMAs in the forerunner module). Each TMA includes a 10-mark question inviting students to reflect on their performance in the recent Online Quiz.

Interactive Online Quiz Question (e.g.)   TMA reflective question (e.g.)

Purpose of Quiz Questions: Practice with problem solving – staged feedback – multiple variants – revisit
Increase understanding & confidence in preparation for summative assessment

Analytics:
Analyse when students engage with each Quiz in relation to the subsequent TMA cut-off date.
Analyse how students engage with each Quiz (multiple attempts, random answers, etc).
Analyse student performance on each Quiz in relation to the subsequent TMA score.
Analyze student reflections on Quiz performance as conveyed in reflective TMA questions.

Telephone interviews:
Do Quizzes help prepare students for TMAs?   Do Quizzes improve understanding?
Are the reflective TMA questions sufficient / necessary as an incentive to engage with the Quizzes?
What could be done differently / better?

Aim:
Modify or adapt the Quiz questions themselves (if necessary), or their placement / usage within S217 (if necessary), in order to better serve student needs, and to seek to improve student performance on, and retention in, the module.