

The Hybrid Teaching Lab

Oxford Teaching & Learning Symposium 2023

Mark Roberts

mark.roberts@bioch.ox.ac.uk



UNIVERSITY OF
OXFORD

The change

Old Course

12 Lectures and 1 three day practical spread out in time over two terms (MT and TT)

All integrated into 1.5 weeks of MT

Five days of wet lab

Practical write up [Submitted and feedback via Canvas]

New Course

7 Data handling problems [All on Canvas but can be completed in lab]

Online interactives on the lab techniques

Short online videos / mini lectures

4 Lectures

Did it work? – staff & students

Student comment:

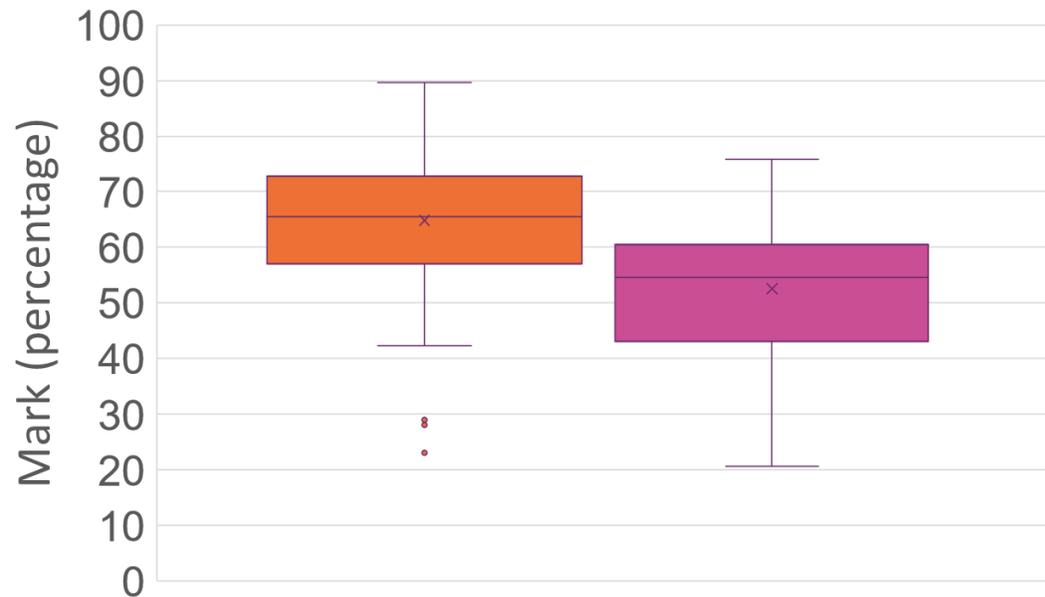
“I absolutely love that somebody has thought this through so much. I enjoyed working on the problems, whilst also seeing how that specific problem would be approached in the lab. Together with the mini lectures, questions we could ask the demonstrators, I think the learning of the majority of us benefited from this much more (compared to only listening to the lectures two times a week).”

2nd year college tutor:

“My students are more confident in approaching data handling questions in particular those involving DNA manipulation such as primer design”

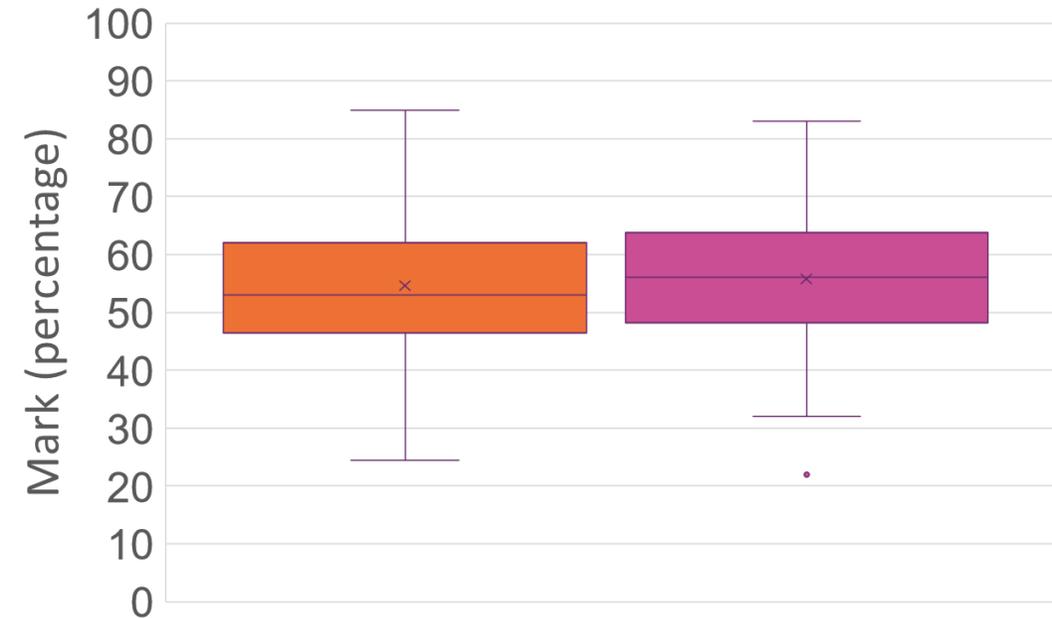
Did it work? – Assessment

Comparison of two cohorts taking new course
molecular biology and genetics assessment



Orange – New Course

Comparison of two cohorts taking old course
end of course data handling assessment



Pink – Old Course