



# Auto-graded lab reports with rapid, effective feedback in Organic Chemistry

Academic developer - **Ciorsdaidh Watts**

Technology partner - Learning Science Ltd  
Project Students Co-supervisors - Linnea Soler & Ciorsdaidh Watts

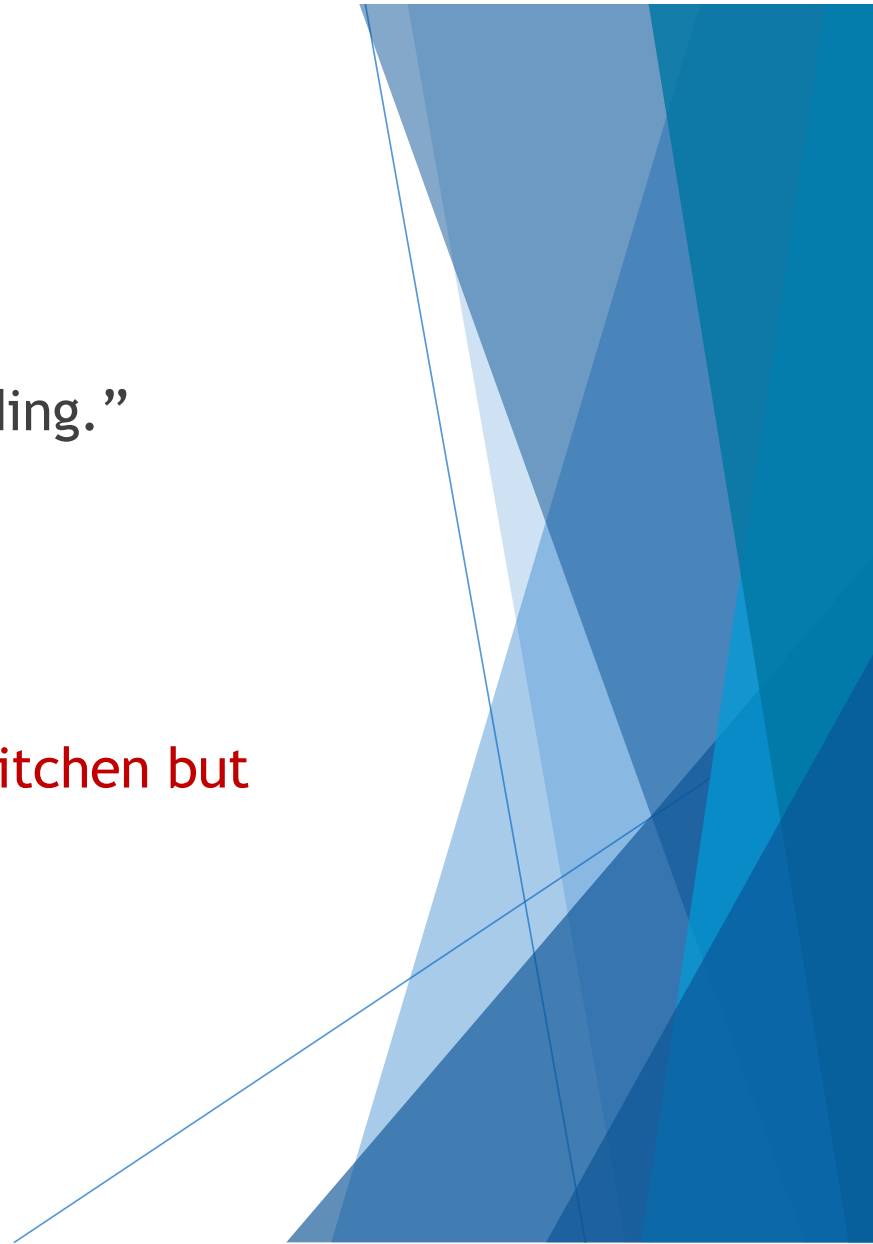
1<sup>st</sup> UofG CoSE L&T Community Event  
3<sup>rd</sup> November 2017

# Why have we done this?

“Full lab report **not helpful** for understanding.”

“Marking **inconsistent**.”

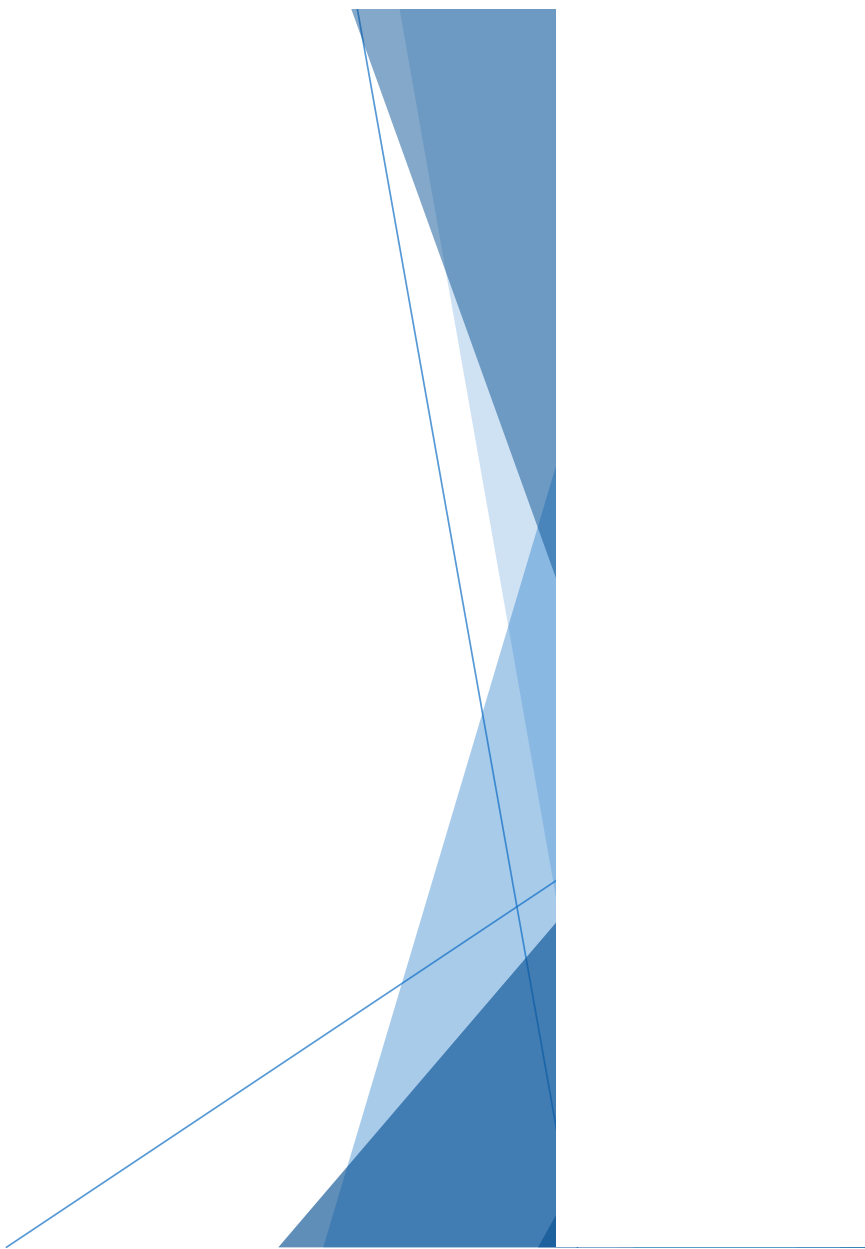
“Report writing was like an episode of Hell’s Kitchen but  
nobody could cook!”



# Which lab course?

- Synthesis-1 (Year 1, c. 700 students)
- Organic 3 (Year 3, c. 100 students)
- Reports, marking, feedback specifically tailored to ILOs





# Evaluating impact

- Mid-lab course [survey](#)
- Post-lab course survey
- [Focus groups](#) (student and staff)
- [Comparing feedback](#) between years
- Ethical approval gained

Evaluation team - Linnea Soler, Ciorsdaidh Watts,  
Catherine McKenna, Jack Bullon, Jason Eriksen