

The Impact of Learning Style on the Student Experience:

A Longitudinal Study Through Fully Online, Hybrid, and In-person Semesters

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Outline



Introduction



Session goals



Study aims



Study design



**Questionnaire
results**



Key takeaways



**Suggestions
going forward**



**Questions and
discussion**

Who Are We?

- Members of the Enhancement Theme Team at the University of St Andrews
- Working together on this project since 2021!



Nicole, Paula, and Hitanshi at the Enhancement Theme Team showcase event in March.

Session Goals



Narrate the **student experience** from fully online learning through the return to in-person learning



Communicate **current student desires** for learning style



Open a discussion on what the **future of learning** could and should look like

Study Aims

How does **learning style** impact the **student experience**?

Online

Hybrid

In-person

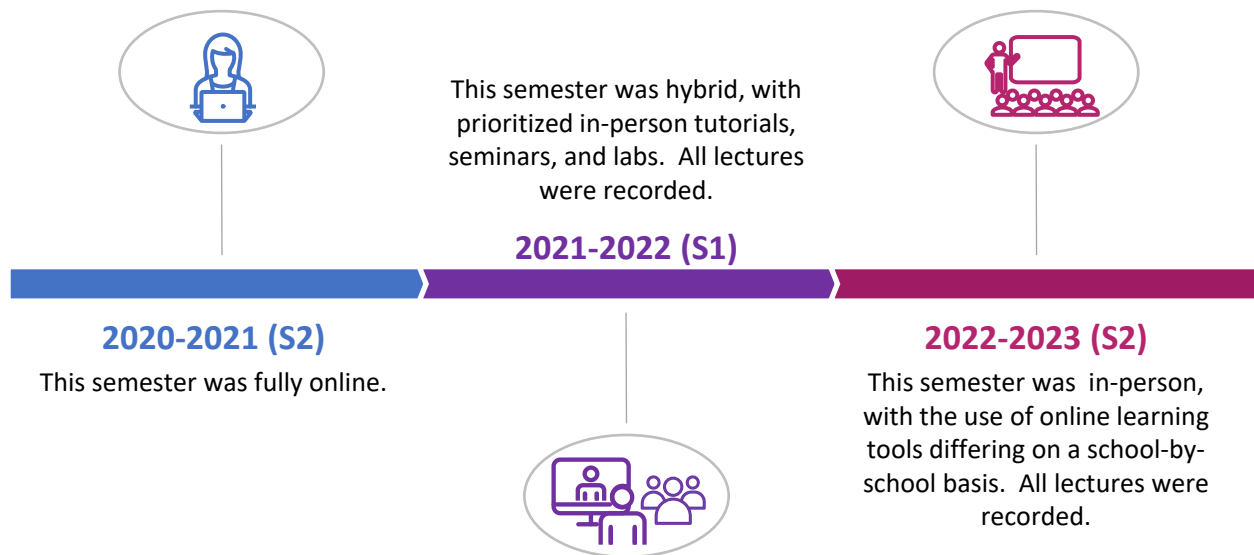
Academic

Wellbeing

Social

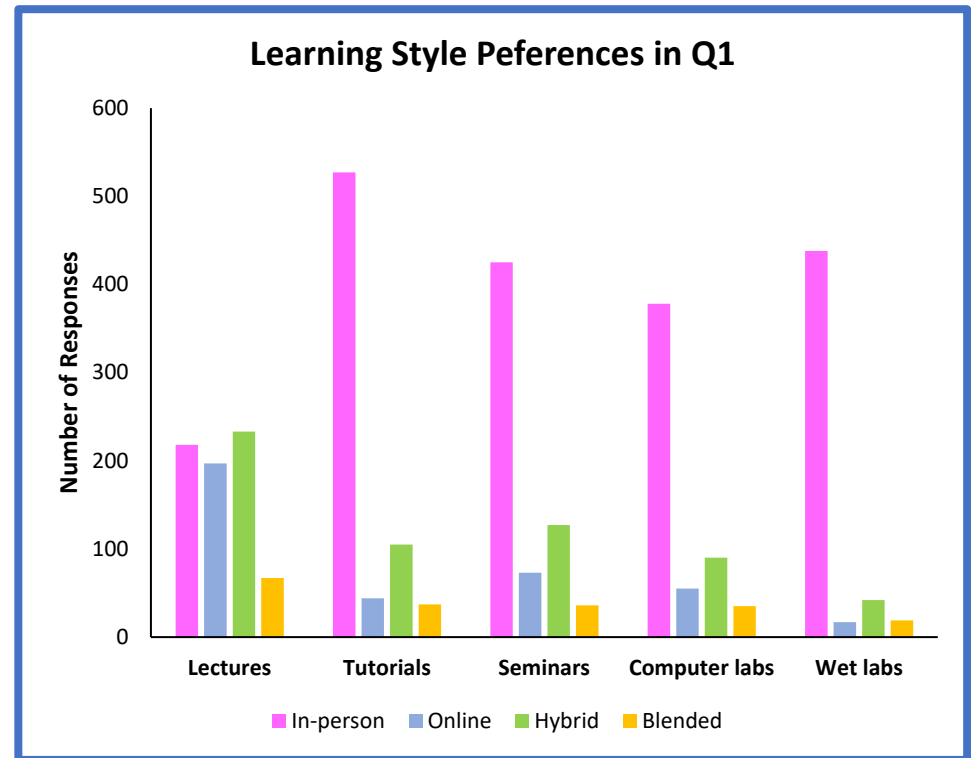
Study Design

- Three surveys
- Mix of multiple choice and free text questions
- Records demographic info on student population



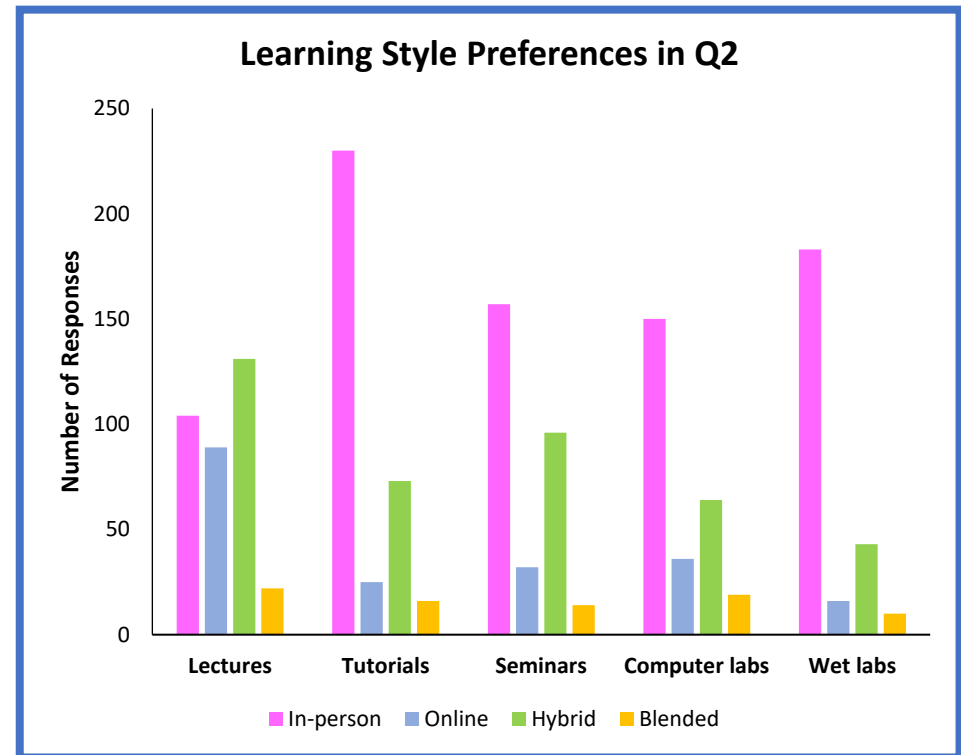
Online Learning Semester

- Students reported **low feelings of identity/belonging** on both a school and University level
- **Lecture recordings** were found to be very helpful
- **Online group chats** for peers/social clubs were enjoyed
 - Students from **the Graduate School** reported lower satisfaction
- **Care experienced students** reported that their financial situation negatively affected their wellbeing



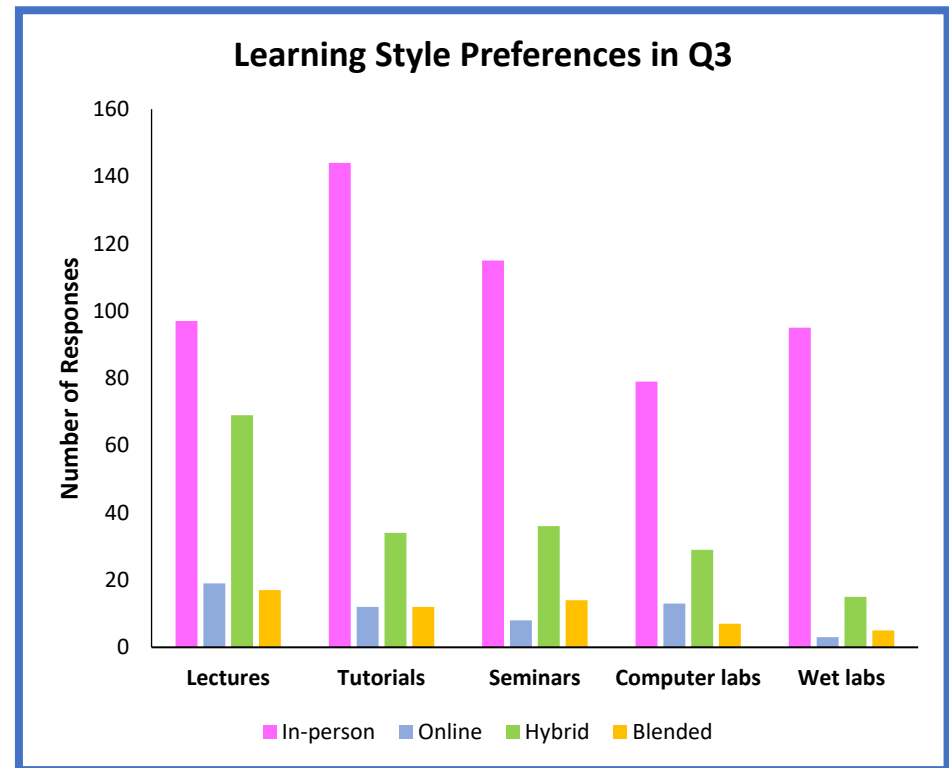
Hybrid Learning Semester

- Students had higher ratings for **feelings of identity/belonging** on both a school and University level
- **Lecture recordings** continued to be found very helpful
- **Online group chats** for peers/social clubs rated highly again



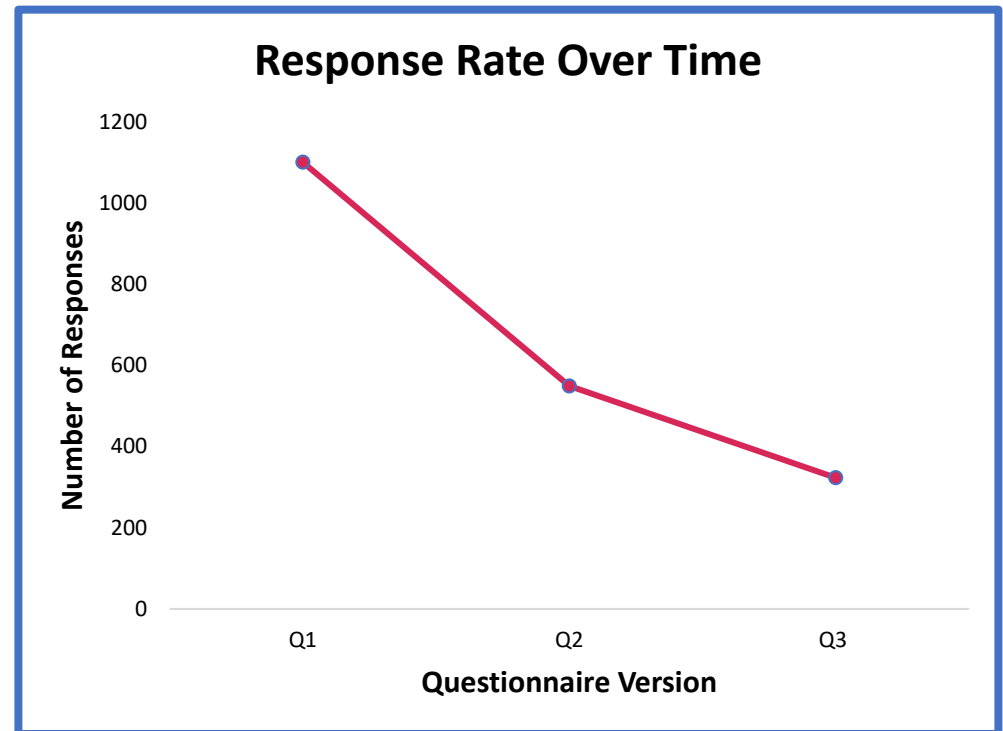
In-person Learning Semester

- Students again had higher ratings for **feelings of identity/belonging** on both a school and University level
- Students from **the graduate school** had low ratings for **recorded lectures**
- **Film studies** students had low rating for **in-person group work**, but high ratings for **ability to study in-person**, and **in-person and hybrid peer interactions**
- **Students with disabilities** rated **hybrid group work** highly



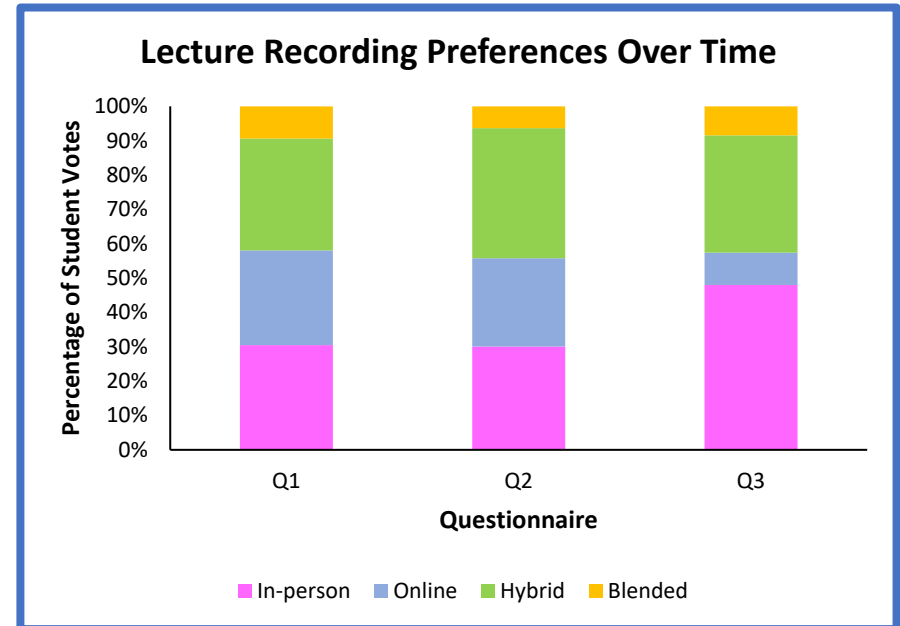
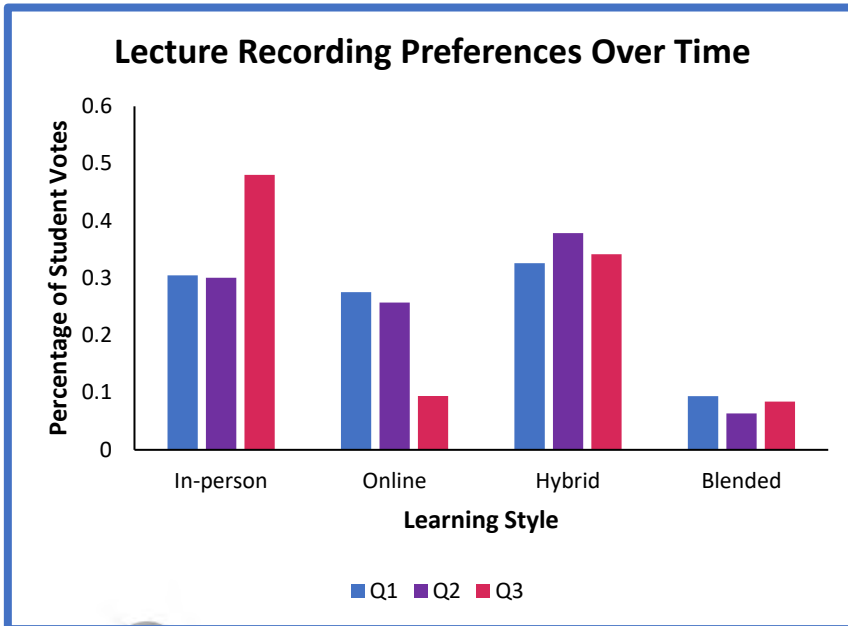
Comparison Across Semesters: Response Rates

- Response rate decreased
- Questionnaires advertised the same way
- Could be due to the return to in-person learning
- Introduces **potential bias** in responses



Comparison Across Semesters: Lectures

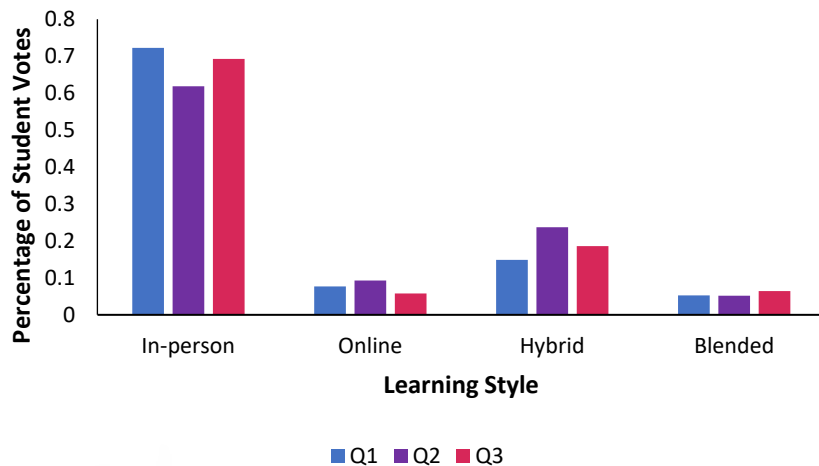
- **No preference** for learning style in Q1 and Q2
- Increase in preference for **in-person lectures** in Q3



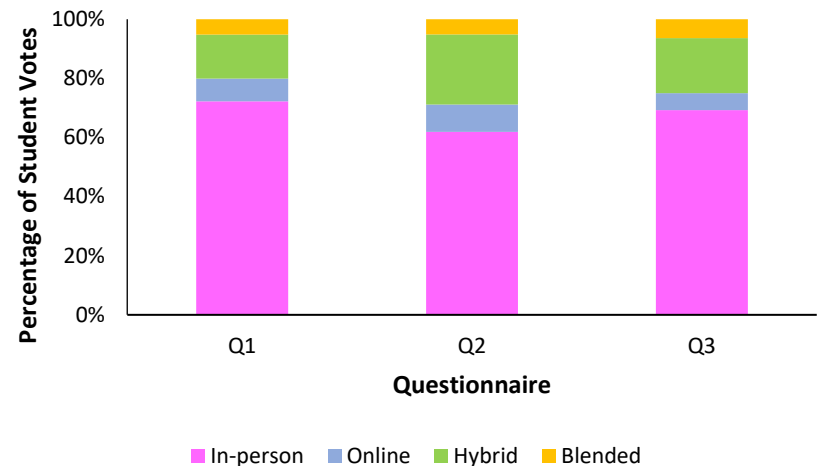
Comparison Across Semesters: Tutorials/Seminars/Labs

- Strong preference for **in-person**
- No major change over time

Tutorials/Seminars/Labs Preferences Over Time

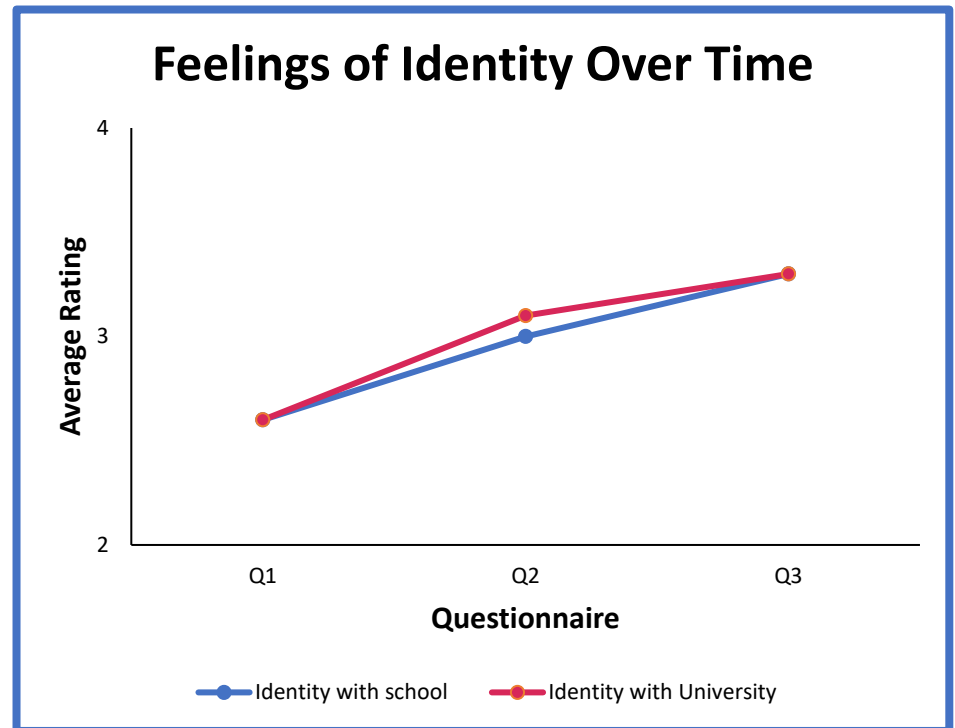


Tutorials/Seminars/Labs Preferences Over Time



Comparison Across Semesters: Feelings of Identity

- Steady **increase** in average **feelings of belonging** over time
- May be due to **return to in-person learning** or retention of **recorded lectures**



Key Takeaways

- Students want **recorded lectures**
- Students want **online academic group chats**
- Students have **different preferences** for lectures vs tutorials, seminars, and labs
- Student **feelings of belonging** with their school and the University increased since online learning



Suggestions Going Forward

- Improving and standardizing **lecture recording quality**, making it a permanent aspect of teaching
- Focus on **increasing student feelings of belonging** by cohort building (e.g. having academic or informal online group chats)
- Creating a **feedback pipeline** that can monitor student preferences on a regular basis



Let's Discuss!

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What should the future of education look like?

Content



Your question ⓘ

What should the future of education look like!

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Larger description shown on your audience's phones and if you hover the question while presenting.

Choose three words!

Entries per participant ⓘ

3

Extras

Let participants submit multiple times ⓘ



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Content



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