UNE L&T Symposium 2024 – Presentation Synopsis

1. Title of Presentation:

Reflection on the use of H5P to build a more engaging blended and hybrid learning environment

2. Presenters Names and Affiliations:

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3. Main Takeaways:

Takeaway 1: HTML 5 package (H5P) is a free plug-in within myLearn, which includes a diverse range of tools, that we embedded within the weekly 'lessons' to bring a more interactive student experience along with inbuilt videos and quizzes.

Takeaway 2: H5P has also been used successfully to produce 'help' tools to upskill students.

4. Application in Educational Contexts:

Teaching Methods:

  - AGFN100 aims to equip students with the foundational tools to solve a wide variety of real-world agricultural problems, with each week consisting of an introductory lesson, a hands-on practical, a follow-up lesson to extend the student's learnings, then a tutorial and quiz.

  - H5P tools have been built into the lessons to make them more interactive.

Assessment:

  - We have found that awarding the weekly lessons 0.5% and quiz 1.5% has assisted students in being motivated to complete the requisite material, ensuring they have the skills and knowledge to satisfactorily complete the unit.

Student Engagement:

  - A flipped classroom approach to practicals and tutorials is taken for on-campus students, to ensure maximising the four contact hours each week, where students are rewarded for completion of lessons prior to class through shorter class times.

  - Unlike other agriculture units, AGFN100 does not have an intensive school, so to ensure an equivalent experience for online students, all practicals and tutorials have been recorded using a 'student's-eye view' and ECHO360 recordings so they can engage as if they were on campus.

5. Valuable Sources and References:

Source 1: Mutawa, A. M. et al. (2023). The effectiveness of using H5P for undergraduate students in the asynchronous distance learning environment. *Applied Sciences*, *13*(8), 4983.

6. Weakness and Area for Future Research:

Weakness: We found H5P creation time consuming, but we received funding for a small project by the SABL Faculty in which we were able to create H5P content for all 24 lessons, to make them more user friendly, professional and engaging for students.

Future Research: H5P appears to have been well received by the students and we intend to survey the students to gain their feedback, and then include H5P in the practicals and tutorials too.