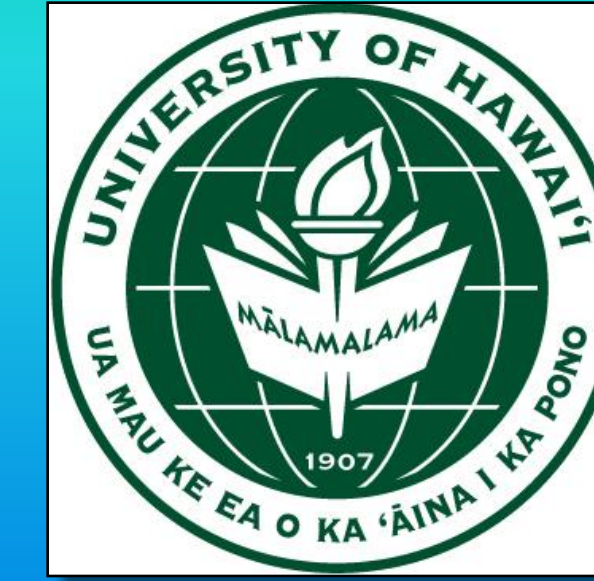


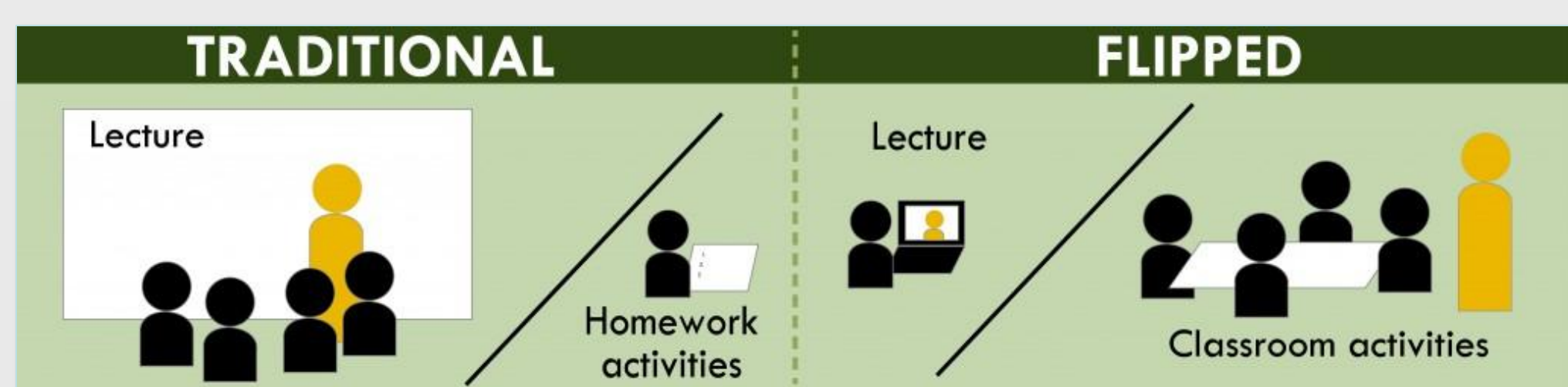
TPSS 300 – Evolving to Become a Flipped Classroom / Bring Your Own Device Course



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Introduction



The traditional classroom typically uses lecturing with students doing homework outside of class. The flipped classroom provides content to students through videos and other online resources outside of class. Class time is devoted to more active learning.

Objective: Describe how TPSS 300 Tropical Production Systems has become a more flipped classroom course.

Methods

Flipped Classroom

Number of lectures were reduced.

Students viewed YouTube videos, websites; read handouts, popular works publications, and scientific articles outside of class.

Bring Your Own Device (BYOD)

Students brought their laptop, tablet, and/or smartphone to class.



Results

Use of Smart Devices

Devices made possible the reviewing of videos and resources in class, which supported discussion.

Students were able to search the Internet for additional information, improving searching skills.



Viewing video resources and Internet searches

Small Group Discussions

Students formed into groups of 2-4 students.

Each student had the opportunity to contribute to the discussion, thus promoting peer-to-peer teaching and the sharing of personal experiences.



Integrating smart devices into group discussions

Results

Oral Presentations

Each group went to the front of the classroom to present their findings.

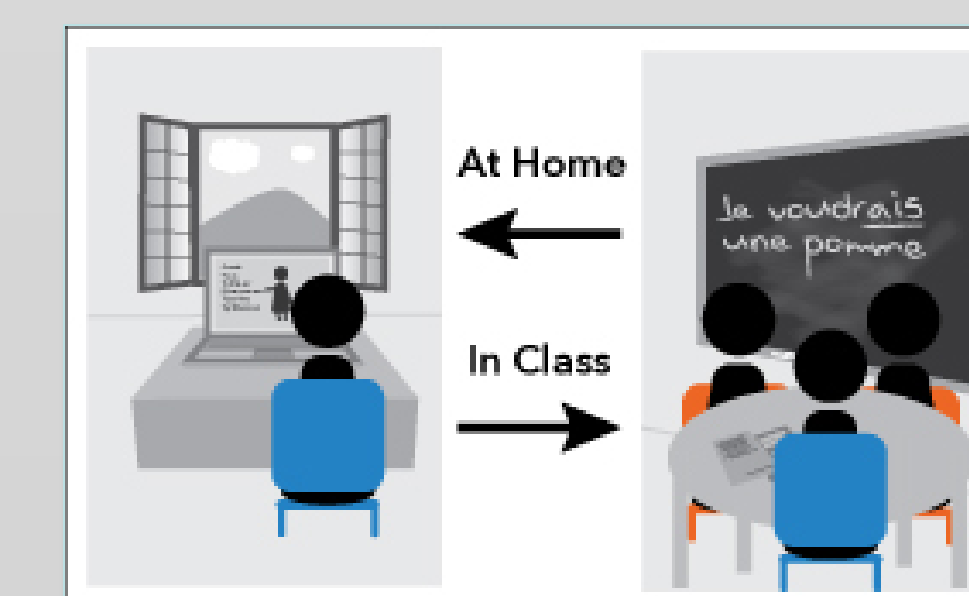
Each student had to speak, which enhanced communication skills.



Group and individual student presentations

Conclusion

TPSS 300 has been evolving from a lecture course into a flipped classroom course, enhancing student learning, small group discussion skills, and speaking competence.



Acknowledgements

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