

# Application of UDL principles in an online tooth morphology module during the Covid-19 pandemic.

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## Aims

- Tooth morphology is a foundational module of the dental curricula with its utilization throughout the dental career.
- In response to the COVID-19 pandemic, the delivery of this module moved to online teaching using a multitude of teaching methods in line with UDL principles.

### Multiple means of engagement:

- Wide choice of learning tools to cater to individual learning needs.
- Self-assessment quiz provided improvement and motivation opportunities.

### Multiple means of representation:

- Interactive dental arch grid represented permanent or deciduous dentitions to aid visual learning, each button on the grid linked to a Canvas page containing a 2D flashcard or a 3D interactive model for each tooth.
- Lecture recordings, lecture notes and recordings of live sessions.

### Multiple means of action and expression:

- An online, live quiz was conducted using Socrative. Instant feedback was provided to the students about the correct answer.

- **In conclusion**, dental students were empowered for the learning process by providing them with multiple means of engagement, representation and action and expression, in line with the UDL principle and guidelines.
- The goal is to have dental students become expert learners who are not only resourceful, purposeful, knowledgeable and motivated but are also goal oriented and can become strategic learners.

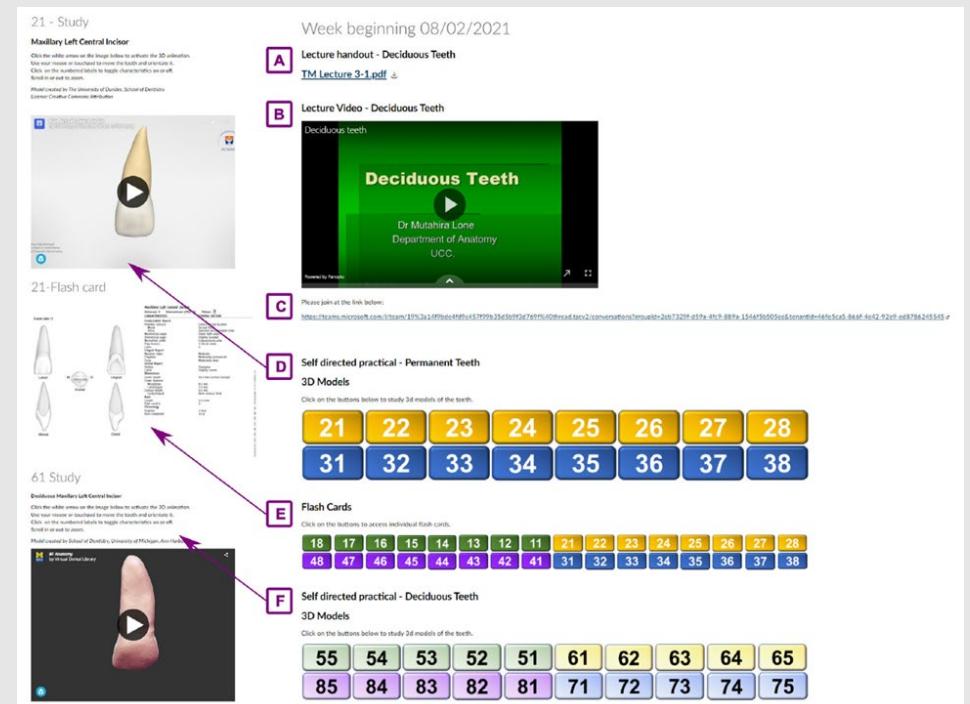


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### Student feedback

- “The tools implemented (3D models and live sessions) were fantastic and surpassed my expectations of this module being online.”
- “I generally enjoyed being tested followed immediately with feedback.”
- “I like how reflective it was.”
- “The interactive sessions were really helpful, and I think benefited me immensely for prepping to the examination. It was nice to feel in a class environment once again.”

## References

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