

**Abstract: NeSA202100oral-08: Enhancing Educational Technology:
Supporting Student Success in Online Classes**

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Classrooms rapidly transitioning from face-to-face to online teaching during the pandemic necessitated ways to leverage technology for effective student learning in online environment. Universal Design for Learning (UDL) framework provides guidance for multiple means for (a) representation, (b) actions and expressions, and (c) engagement so that learning environment and products benefit and supports a wider range of learners. In this presentation I will discuss the principles of active learning and UDL in the development of a fully online undergraduate course and how it contributed to student success. Based on the research results I aggregated six recommendations for designing and teaching online courses that can enhance the use of educational technology for supporting student learning and success in online classes. The six recommendations areas are as follows: (1) Proactive course design; (2) Instructional delivery models (3) Effective communication (4) Re-examining technology tools (5) Strategies for engagement and interaction (6) Online community. These practices will facilitate sustaining a virtual learning environment optimize student learning and success in the online classroom.