



Blended Learning

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Blended Learning

Means of instruction that blend traditional classroom methods with an emphasis on the use of technology as a supplemental tool.

- Online and Distance Learning programs
- Hybrid Learning Environments
- Flipped Classrooms
- Lecture Capture
- Device Integration



What is CU doing?

- ASSETT Program (Art and Science Support of Education Through Technology)
- Clickers
- Limited number of Flipped Classrooms
- Lecture Capture
- Continuing Education & Traditional Online Courses



Why Blended Learning?

- Blended Learning can be highly effective for very low cost
- Students appreciate new approaches to learning and remain more engaged as a consequence
- Effective implementation can lead to improved understanding of material and facilitate strong learning abilities
- Teachers feel better connected with students



What are Model Universities doing?

- **Flipped Classrooms** (Vanderbilt, Chapel Hill)
 - Information available outside class enables self-paced analysis
 - Studies show effective implementation
- **Device Integration** (ASU)
 - TopHat and Learning Catalytics software allow free response and facilitate discussion using smartphones rather than dedicated devices
- **Faculty Support** (Berkeley)
 - DIY Workshop: faculty can create multimedia learning supplements such as demonstrations,



What are Model Universities doing?

- **Traditional Online and Distance** (CSU Global, SNHU, Berkeley, Chapel Hill)
 - Immensely improve accessibility to a full spectrum of degree programs
- **Hybrid Environment** (ASU, SNHU)
 - Being enrolled in these universities' online education programs will also give access to physical campus resources
- **Lecture Capture**
 - Simple form of BL, offered by most institutions in some manner



Metrics

- **Student adoption**
 - Ease of use and convenience
 - Consistency across classes
- **Faculty adoption**
 - Instructors must be comfortable and competent with using new techniques or methods
- **Cost efficiency**
 - Course materials reusable across semesters
 - Software licenses are cheaper than dedicated devices for students



Recommendations

- **Nearly all disciplines can utilize BL methods effectively**
 - i.e. Flipped Classrooms enable instructors to focus more in-class time on discussions and development of concepts.
- **Strong faculty support critical for success**
 - CU offers limited resources that enable faculty to transition towards BL environments
- **High long-term Cost : Benefit ratio justifies up front financial investment**
 - Rapid improvements in technology are capable of enabling us to attain a much higher level of education, we just need to discover the most effective applications

