HYFLEX, BLENDFLEX, ONLINE SYNCHRONOUS - EMERGING MODALITIES

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• Instructional Methods
• Asynchronous Online
• Hybrid
• Synchronous Online
• Hyflex
• COVID-19
COMMON FACE-TO-FACE INSTRUCTIONAL METHODS IN HIGHER EDUCATION

• Lecture – Greeks – one book – passive - teacher centered
• Discussion/Socratic - preparation is key – active – student centered
• Small group/team - more individualized – active – student centered
LECTURE

14th century University of Bologna - Laurentius de Voltolina
LECTURE

1736 Scholars at a Lecture – William Hogarth
LECTURE

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ASYNCHRONOUS ONLINE

- SIRIS Definition: 100% of the direct instruction occurs under time delay; that is, direct instruction is recorded/stored and accessed later.
- 100’s of programs across SUNY – roughly a dozen in SUNY Online – Late 1990’s
PROS/CONS ASYNCHRONOUS ONLINE

- Online Paradox
- More flexible for non-traditional learners
- Courses need to be redesigned
- Broader audience
- Faculty Development

- Success rates
- Cheating Concerns
- Courses need to be redesigned
- Digital Divide
- Upfront cost
- Skilled facilitation required
TIPS FOR ASYNCHRONOUS ONLINE

• Utilize Instructional Designers
• Require training, if you can
• Formal Review Process – peer if possible
• Development is constant
HYBRID EDUCATION

• SIRIS Definition: Section where a portion (0.01% - 99.9%) of the direct instruction of the course section’s curricular content is delivered to the student via an online communication method and the remaining portion of the direct instruction is required to be delivered face to face.

• We are skipping the evolution – Correspondence Courses, Mainframe training, TV learning, CD-ROM Training

• Students are generally required to be in-person for at least one “lecture” session.

• Design of online vs. f2f should be based on CLO’s
PROS/CONS HYBRID

- Flexibility, use of space
- Flipped Classroom – content delivered online, interaction/active learning face-to-face
- Best of both worlds
- Course and a \( \frac{1}{2} \)
- Students choose one modality to participate in
- Equity
- Best of both worlds? – enrollment
TIPS FOR HYBRID

• Start with courses that are already online
• Ensure faculty have been trained in the LMS
• Use Instructional Designers
• Let CLO’s decide what is online and what is face-to-face
• Don’t start with a set meeting time frame
SYNCHRONOUS ONLINE, LIVE ONLINE, REMOTE, REAL-TIME ONLINE

- SIRIS Definition: 100% of the direct instruction occurs in real time without (time) delay
- Instructor utilizes web-meeting software to “meet” students online at a specified time
- Instructional time should attempt to stay under one hour at a time
- Requires instructional design assistance to ensure live portions of the course meld with what is delivered through LMS
- Allows program expansion into other markets without losing importance of face-to-face connection
PROS/CONS SYNCHRONOUS ONLINE

- Authentic Interaction - connection
- Reminders in real-time
- Ability to watch again increases student success
- Student Privacy
- Connection Issues
- Life is happening where the class is being taught
- More than just live session
TIPS FOR ONLINE SYNCHRONOUS

- Keep lecture portion less than an hour
- Try to make smaller, topic based videos where applicable
- Direct individual student questions around grades, personal life, concerns to office hours/email
- Have a backup plan outlined in your syllabus
- Store recordings where students have access
HYFLEX, BLEND FLEX, HYBRID-FLEXIBLE

• SIRIS Definition - Combines online and face-to-face instruction simultaneously into one single course section, with the mode of direct instruction determined by each individual student. Students are able to choose how to participate in any given class meeting - online or face-to-face. 2006 – Brian Beatty, San Francisco State

• Choice is the most important word – if it does not have student choice it is not Hyflex – this choice can vary daily, weekly, or monthly.

• Instructor offers course at a specific time students show up online at that time, face-to-face at that time, or watch a recorded version of the session at a later point
PROS/CONS HYFLEX

• Data indicates students tend to show up face-to-face more often earlier in the term
• Course success was higher, GPA was higher, and admission into competitive programs were higher for students who had taken HyFlex at Central Georgia Tech
• Allows program expansion into other markets without losing importance of face-to-face connection
• Ability to watch/rewatch increases courses success
• Requires a shift in pedagogy as you are working with three distinct audiences, may require multiple methods of assessment
• Student engagement
• Captioning
• Equity
• Cost
• Pressure on faculty
TIPS FOR HYFLEX

• Technical training on hardware and software
• Try to deliver the same regardless of the number of attendees
• Keep lectures to an hour if you can, if not break it up
• Ensure that students understand that room has microphones
• Find a place to talk with face-to-face students 1:1
• Find the right instructor to start with
HYFLEX COST EXAMPLE

- Cameras, Microphones, Installation, Cables, Room Kit - $21,407
- Support/Service $8,059
- Installation $3,399
- 86” Active Panel and wall mount $5,937
- Self-View Monitor $877
- Electrical $3782
- Captioning at $1.15/minute @2 hours a week – 2070
- Video Conferencing Software – Zoom, Webex, Collaborate – FTE Dependent $5000-$25000
EXAMPLE FROM FLCC

• Example from Networking Technologies – Jonathan Weissman
Online Asynchronous
- Significant planning
- Start now!

Online Synchronous
- Less planning than Asynchronous Online
- Ensure Students have technology

Hybrid
- Requires campus classroom
- Possible with social distancing

Hyflex
- Requires campus classroom
- Can work in socially distanced scenario

Lecture
- In the traditional sense this will be difficult
- Possible if hybridized
QUESTIONS?

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