

FRANKLIN
MAKES POSSIBLE

Merging Worlds: Hybrid Learning



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Who

- Franklin University
 - Former YMCA school of commerce
 - Now urban commuter and online
 - Serving predominantly working adults
 - A big small school
 - 1,000 technology students
 - 65-85% online!



What

- Face-to-face delivery



What

- Face-to-face delivery
- Online delivery – 100% computer mediated communications
 - Asynchronous (self-paced)
 - Partially asynchronous (lock-step)
 - Synchronous



What

- Hybrid delivery
 - Many views of hybrid courses
 - A face-to-face course with some online supplements or activities.
 - A face-to-face course that sometimes meets online
 - A course that mixes face-to-face and online students *in the same section.*



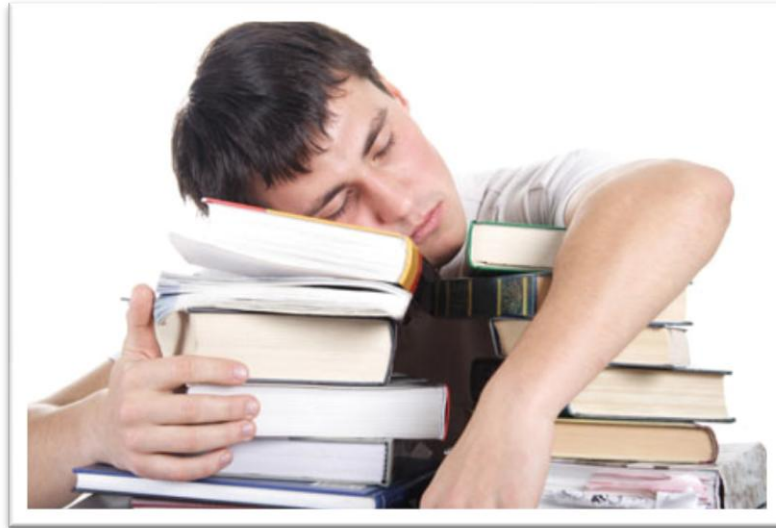
Why

- Side effects of 65-85% online
 - Students prefer some form of hybrid
 - Perceptions of quality in asynchronous online
 - Student preferences
 - It's hard to run face-to-face classes!



Why

- Its all about engagement!



Where & When

- COMP 321 – Application Server Programming
 - Fall 2008
 - 15-week, 4-credits
 - Java based
 - JSP
 - Servlets
 - JDBC
 - Frameworks
 - 4 face-to-face, 6 online students



How

- Course design
 - Self-paced pre- and post-class learning activities.
 - Synchronous time spent:
 - Discussing solutions to pre-class activities
 - Doing live-coding demonstrations via application share
 - Answering questions



How

- Course design
 - Time allocation

	F2F	OL	HY
Synchronous contact	4	0	2
Outside activities	1	5	3
Readings	2	2	2
Assessments	3	3	3
Total	10	10	10



How

- Hardware



How

- Software

The screenshot shows a software interface for a live session. The main window is titled "Whiteboard - Main Room (Scaled 119%)". The whiteboard content includes:

- Participants: 7 Participants
- Chat: A list of messages including "they are not there is no order", "no", "there is no implementation", "interfaces", and "extend vs inheritance".
- Audio: A volume control slider for "Audio - Todd Whittaker".
- Whiteboard Content:
 - Learning Activities
 - ArrayList Implementation
 - A diagram of an ArrayList implementation. It shows a box labeled "data" with a "length" field containing the value "5". To the right is an array of 8 slots, indexed 0 to 7. Slots 0, 1, 2, 3, and 4 contain the values 3, 1, 4, 1, and 5 respectively. Slots 5, 6, and 7 contain "null". Arrows point from the "data" box to the array, and from the "length" field to the first five slots. A hand-drawn circle encloses the "data" box and the array.
- Bottom right: Franklin University logo and website "www.franklin.edu".
- Bottom status bar: "In session for 1 hour, 6 minutes."

Results

- Survey of students
 - Greater opportunities for participation
 - Held their interest more
 - Enjoyed the synchronous portions
 - Lower drop-rate in the online
 - Both populations preferred hybrid over just plain face-to-face or online.



Results

- Pitfalls
 - Online student scheduling
 - Teacher training
 - Split attention
 - Outages



Questions?

