

USER STUDY PARTICIPANTS

A. Focus Group Participants

A total of 19 participants contributed to the focus groups. Tables 1 and 2 provide a breakdown of their background.

Table 1: Participant Background

	Tenured /Tenure Track	Clinical	Lecturer	Instructional Designer
Male	8	0	4	3
Female	0	1	0	3

Table 2: Participant Professional Experience

	Mean	# of Responses	Standard Deviation	Range
Number of undergraduate courses designed	4.4	19	3.2	2-15
Number of undergraduate courses taught	2.8	19	1.6	0-6
Years of Teaching Experience	15.7	19	12.4	0-36
Years of Industry Experience	5.9	17	7.5	0-30
Year of Research Experience	10.6	12	9.9	0-35

B. Analysis of Curriculum Design Tool Survey

Table 3 shows the list of 10 most identified tools in the Curriculum design tool survey.

Table 3: Curriculum Design tools

Tools	% of Participants
Blackboard	89%
Word	78%
Powerpoint	67%
Excel	56%
Whiteboard	44%
Email	33%
Webpages (with content related to course or other related education topics)	33%
Learning Studio	22%
CATME	22%
Camtasia	22%

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The Curriculum design tools survey data was analyzed and the following deficiencies in user interactions with the current course design tools were identified.

- Learning Management Systems do not optimize learning experience
- Tools provide too many features that are hard to use
- Clunky/poor interfaces and navigation is not intuitive
- Many tools are missing ease of use.
- Visualization improvements can be made
- Documentation and help tutorials that support use of a tool would be useful
- Poor support for different kind of platforms and devices
- Bugs and glitches in software
- Do not provide collaborative editing capabilities
- Concerns about data security and privacy
- Tools are expensive
- Time consuming to locate useful features and information
- Long and steep learning curve with some tools