Instructional Video Capture
K-State’s Pilot Results:
Using Mediasite for Classroom Capture and Beyond

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Operational Definition

**INSTRUCTIONAL CAPTURE:**

The ability to facilitate online instructional interaction and communication for face-to-face, distance, and hybrid classes, or other educational situations, both for synchronous and asynchronous purposes.
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The ability to facilitate **online instructional** interaction and communication for **face-to-face, distance, and hybrid** classes, or other educational situations, both for **synchronous and asynchronous** purposes.
Actual Video Needs

- Videoconference
- Interactive Presentation
- Lecture Session
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Actual Video Needs

**VIDEO-CONFERENCE**
- Discussion Based Teaching
  - HIGH INTERACTION
    - Audio/Video Two-Way communications with students
    - Full mobile creation and participation

**INTERACTIVE PRESENTATION**
- Mixed Teaching Method
  - MEDIUM INTERACTION
    - Video of instructor, possible audio and/or video of student
    - Special tools for Interaction

**LECTURE SESSION**
- Lecture Focused
  - LESS INTERACTION
    - Focus is on instructor and presentation
    - Advanced analytics
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Capture, Create, Import
- rooms
- user-generated
- events
- video conferences

Manage
- publish
- organize
- search
- analyze
- edit
- secure

Deliver
- canvas
- k-state online

• or anywhere else on the web
Example Instructional Capture

Example: A psychologist predicts that students will learn most effectively with a constant background sound, as opposed to an unpredictable sound or no sound at all. She randomly divides fifteen students into three groups of five. All students study a passage of text for 20 minutes. Those in group 1 study with background sound at a constant volume in the background. Those in group 2 study with noise that changes volume periodically and randomly. Those in group 3 study with no sound at all. After studying, all students take a 10 point multiple choice test over the material. Their scores are in the table below.

<table>
<thead>
<tr>
<th></th>
<th>Constant Sound</th>
<th>Random Sound</th>
<th>No Sound</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group 1 Mean</td>
<td>6.8</td>
<td>3.6</td>
<td>3.0</td>
</tr>
<tr>
<td>Sample Std. Dev.</td>
<td>1.0</td>
<td>1.7</td>
<td>2.0</td>
</tr>
</tbody>
</table>

We used the ANOVA F test to determine whether the average test score was the same for all three methods of studying.
Student Survey Results

Student Satisfaction: 96%

Ease of Use: 88% *12% neutral

Look and Feel: 96% *4% neutral
### Student Survey Results

#### Self Selection of Main Display Video:
- 70% satisfied
- *30% neutral

#### Player Speed Control:
- 83% satisfied
- *17% neutral

#### Chapter Indexing:
- 60% satisfied
- *40% neutral

### Student Centered Video Capabilities
- *30% neutral
Student Survey Results

Would you Recommend that other Instructors use Mediasite:

Any Additional Components Desired or issues?

- An integrated social media component
- Ability to post a question/comment
- More camera angles
- Use by every instructor in every class
- Faster load up speeds
Pedagogical Implementations

Video Lecture/Discussion Achieve: (for review or reference)

Tool for those with English as a Second Language or Learning Disability

Flipped Classroom

Just-In-Time Learning and/or Supplemental Info

Instructor Absence (snow days, sickness, attending a conf., etc.)

Use in Online Courses – Personalization of Content

Student Projects

Self-Evaluation
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QUESTIONS?

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