Next Gen Classroom 2008

Survey responses by University of Houston students in classes employing video technology, including comments and suggestions in their own words
**SPRING 08 TABLET PC VIDEO EVALUATION SURVEY**

**Usage Patterns**

Which one statement best represents how you would decide whether to attend a lecture in class versus viewing the PC video later: (assume you have the option)

<table>
<thead>
<tr>
<th>Statement</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>I would never attend a class unless it was required.</td>
<td>6%</td>
</tr>
<tr>
<td>I would attend a class only if it required no extra effort (e.g. you are in the building anyway), but not otherwise.</td>
<td>3%</td>
</tr>
<tr>
<td>I would attend a class if it required only a minor effort (e.g. a short walk or drive under 15 minutes), but not if it took more than that.</td>
<td>12%</td>
</tr>
<tr>
<td>I would attend the class if it required moderate effort but not if it took much longer or interfered significantly with work or other engagements.</td>
<td>25%</td>
</tr>
<tr>
<td>I would always attend the class unless it was virtually impossible to do so</td>
<td>54%</td>
</tr>
</tbody>
</table>

Compared to the time you would probably spend if video lectures were not available, the time you spent studying the textbook was:

<table>
<thead>
<tr>
<th>Time Spent</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Same</td>
<td>35%</td>
</tr>
<tr>
<td>Slightly reduced</td>
<td>27%</td>
</tr>
<tr>
<td>Greatly reduced</td>
<td>25%</td>
</tr>
<tr>
<td>Nearly zero</td>
<td>13%</td>
</tr>
</tbody>
</table>

Irrespective of whether you viewed the lectures before or not, how did you prepare for the mid term and final exams:

<table>
<thead>
<tr>
<th>Preparation Method</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prepared primarily by listening to the video lectures</td>
<td>6%</td>
</tr>
<tr>
<td>Prepared primarily by reading the textbook and notes</td>
<td>38%</td>
</tr>
<tr>
<td>Employed both but more of video lectures</td>
<td>12%</td>
</tr>
<tr>
<td>Employed both but more of the textbook and notes</td>
<td>26%</td>
</tr>
<tr>
<td>Employed both equally</td>
<td>13%</td>
</tr>
<tr>
<td>None of these.</td>
<td>4%</td>
</tr>
</tbody>
</table>
Preferences

What is your impression of the video quality of the online lectures in this class?

- Excellent 16%
- Very good 30%
- Good 38%
- Fair 15%
- Awful 1%

Suppose the online lectures also included a video of the instructor teaching the class (versus a computer screenshot as is the case now). This will be a:

- Big improvement 55%
- Small improvement 27%
- Marginal improvement 8%
- Not sure 7%
- Useless 2%

Suppose the online videos came with an index: each index point is a snapshot in the video where a new concept in the lecture is started. This will be a:

- Big improvement 59%
- Small improvement 23%
- Marginal improvement 11%
- Not sure 6%
- Useless 1%

How often was it the case that you could not gain access to video lectures because of technological difficulties, such as, the server being down or very slow.

- Never 22%
- Rarely (1 or 2 times) 43%
- Occasionally (3 or 4 times) 26%
- Frequently (5 or 6 times) 6%
- Regularly (7 to 10 times) 2%
- Half the time 1%
- Most of the time 1%
Was downloading of video lectures to your computer allowed for this class

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>81%</td>
</tr>
<tr>
<td>No</td>
<td>19%</td>
</tr>
</tbody>
</table>

If your answer is YES, did you normally use the video lectures by direct streaming from the server, or by downloading first and watching on your machine?

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Always streaming</td>
<td>35%</td>
</tr>
<tr>
<td>Mostly streaming</td>
<td>26%</td>
</tr>
<tr>
<td>Half and half</td>
<td>17%</td>
</tr>
<tr>
<td>Mostly downloading</td>
<td>12%</td>
</tr>
<tr>
<td>Always downloading</td>
<td>10%</td>
</tr>
</tbody>
</table>

What would be the value of webcasting this class: you could watch and even type in questions in real-time. (Answer even if the course is currently webcast) This will be a:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Big improvement</td>
<td>42%</td>
</tr>
<tr>
<td>Small improvement</td>
<td>25%</td>
</tr>
<tr>
<td>Marginal improvement</td>
<td>10%</td>
</tr>
<tr>
<td>Not sure</td>
<td>20%</td>
</tr>
<tr>
<td>Useless</td>
<td>3%</td>
</tr>
</tbody>
</table>

Suppose you had to strictly pick one or the other format for this class: If you picked Online, you would not be allowed to attend classes and if you picked Regular, you would not have access to video lectures. What format would you pick?

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Definitely online</td>
<td>9%</td>
</tr>
<tr>
<td>Probably online</td>
<td>19%</td>
</tr>
<tr>
<td>Not sure</td>
<td>13%</td>
</tr>
<tr>
<td>Probably regular</td>
<td>28%</td>
</tr>
<tr>
<td>Definitely regular</td>
<td>32%</td>
</tr>
</tbody>
</table>
Student Comments

Helpful/effective

Very effective method of teaching, UH should take effort to encourage the use of streaming videos particularly graduate level classes

Want video lectures for all classes

Video lectures were very helpful

Video lectures were helpful in clarifying concepts

Video lecture great resource

Lecture videos were a great asset

Video lectures great resources

First time taking a class like this, I believe it's the best way to absorb material

Online lectures are awesome.

Video lectures are very helpful

Video helped to clarify things

Good supplement/helpful to combine video & text/classroom

Video lectures allow me to pause when professor is speaking quickly, and take a moment to understand what is going on conceptually. But class allows me to interact and converse with the professor, to both better the material and to give me the opportunity to enrich my knowledge both in the scope of the subject and neighboring realms.

Were helpful when I could not attend class

Videos are great for reviewing

Video should only compliment the class

Want to attend class as well

I like that you can go to both class and online

Great to recap lectures

Keep both

Poor sound quality

Better mics.

Keep voice up

Good viewing but poor sound

Want better sound clarity

Better mic range
Suggestions for course instructors

Sound quality

Please try to speak clearly and slowly so we can understand what’s being said.

Fix audio so sound clearer.

Speak louder.

If possible, incorporate a stable audio feed.

Audio was poor and difficult.

Use a head set.

Try speaking clearly.

Problems with sound fading in and out.

Speak into the mics.

Speak louder and clearer.

Better sound.

Speak louder on getting a new mic.

Make sure volume is adjusted correctly.

Stand closer to mic. Sound was poor.

Speak louder.

Need to speak more clearly.

Speak clearly into mic.

Let us see the instructor.

Show yourself helps understand the notes better.

Do video of yourself while lecturing.

Video lectures recorded while you can see the instructors.

Have the professor in the video.

It would be nice if we could see instructor because he was an active professor.

Viewing the instructor would be great.

Have the professor in the video.

If he was in the video then people can use his examples.

See professor in the video -- examples better understood if seen.

Repeat questions asked by students.

Mic problems, instructor should repeat student questions before answering them.

Repeat questions asked by students.

Please repeat question asked by students.

Audio of students were difficult to hear.
Need to see board/writing

- Can’t see what professor writes
- Can’t see board
- Use clean slides instead of the board
- Writing slides is essential along with verbal explanations
- Writing more on the slides with the stylus
- Sometime writing on tablet is a bit illegible
- Better mics and laser pointers are needed.
- Can’t see board

Need to see examples

- Write more examples to visualize
- Instructor used examples in class but not in videos
- All things handed in class should be online too
- Write more and discuss slides
- Want online lectures to include slides

Post in timely fashion

- Upload videos faster
- Videos not on time
- Should post it sooner that they are available
- Please post class lectures in a timely and complete manner
- Please post video lectures same day as lectures.
- Lectures posted sooner

Execution

- Should keep in mind they are also teaching recorded lectures
- Try not to tap into the mic
- Speak up and be more lively.
- Use digital pen technology
- Want the instructor to talk and write notes clearly.
- Don’t use the red pointer

Batteries

- Try to not run out of batteries
- Always check the batteries
- Have spare batteries for the microphone
Use different formats

- Post different formats of video
- Have ipod format available
- Use different video format
- Make a podcast option.
- Want more video types to choose from, i.e. Wma files
- More downloadable versions (mp4 or avi)
- Available for all formats

Thanks; helpful

- Good job
- Continue them
- Thanks
- Pretty cool
- Perfect
- Really helpful
- It helps out a lot to have the video lectures
- Good job
- Video lectures are very helpful in preparation for exams and should be continued
- Wish most math and science instructors used video lectures.
- Keep doing what you're doing
- I wish everyone recorded their lectures to review
- Instructor did a wonderful job of posting these videos
- I like the videos cause I can listen to it more than once
- Think it's a great idea for students with full time jobs.
- They help
- Great device and helps with studying
- Helpful if you don't attend class
- Every class should have one
- Keep the tapes available
- Video lectures are very helpful in preparation for exams and should be continued
- Great video wish it had an index
- Videos were great
- Good job
- Keep doing what you're doing
Advice for students taking courses with video lectures

Use videos as supplements to attending class

If you don’t understand go back and watch

Watch it before class, it will really prepare for the major points that the professor is trying to get across

Listen until you understand

Watch a few days before lecture

Watch lectures within a day after class.

Go to class take notes and rewatch lectures

Review by watching videos

Watch the video after class to refresh

View lectures before exams

Keep reviewing lectures until you get it

Listen to videos because if you forgot something in class you can go back to videos to catch

Great to see what you missed

Watch the video within 2 days of the lecture.

Use them; they help

Take advantage of video lectures

Watch videos a couple days before the exams.

Watch the video several times and take notes

Great resource to learn at your pace with video lectures

Take advantage of them b/c they help

Go through the video lecture and pause during a difficult section and review

Videos are great, extremely interesting b/c breaks down topics if missed in class can view it online

Watch lecture before going to tests

Don’t miss videos even if you attend class