

# Developing Best Practices for Using Video to Support Student Learning in Online Courses

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### Who are you?



Faculty Member



Adult Student



Administrator



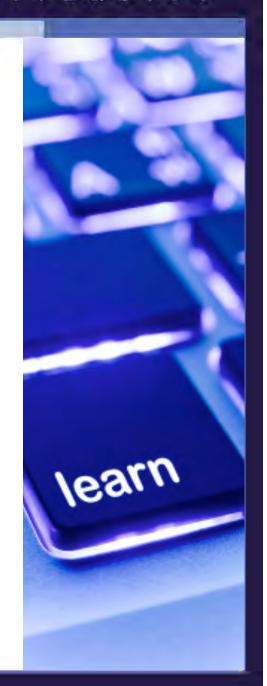
Instructional Designer



### World Campus

- Launched Spring 1998
  - 5 programs and 8 enrollments
- Today
  - Over 90 programs
  - 2<sup>nd</sup> largest campus of Penn State
  - Fastest growing component of Penn State
  - Serves learners in all 50 states, the
     District of Columbia, three territories,
     and 54 countries

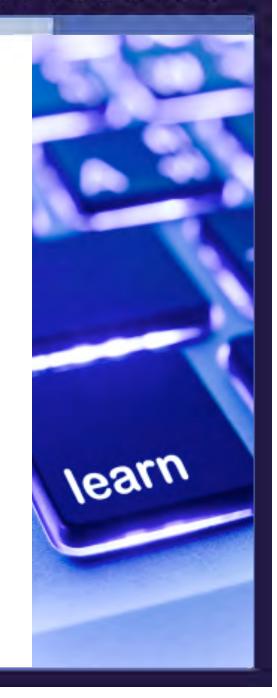




### M+LD Team

- Media and Learning Design
- Collaboration between the production capacity of WPSU and the Learning Design staff at the World Campus

inspiration.psu.edu





### Outline

- Incorporating video into courses
  - Our journey
  - · General guidelines from past research
- Media examples
- Evaluating impact
- Next steps





### Student Expectations

- Connect me to the University
  - I'm paying for the WHOLE experience, so don't leave me out here all alone
- Make it meaningful to me
  - I want course material to relate to my work and life experience (and vice versa)
- Help me focus on what's important
  - I'm really busy
  - I need this wherever I am





### Our Journey

- What works?
- What does the literature say?
- What do WE like to watch?









### Why Include Video?

- Vary instructional delivery method
- Show what cannot be seen in a traditional classroom setting
- · Reinforce information explained verbally
- Trigger class discussion
- Capture student's attention
- Build rapport with students

EKU Office of Distance Education and Multimedia Services



### Guidelines from the Literature

- Video Best Practices
  - Keep it concise
  - Tie the video to instructional objectives or especially difficult concepts
  - Encourage instructor presence
  - Plan for accessibility (captioning)



### Best Practices: Video Length

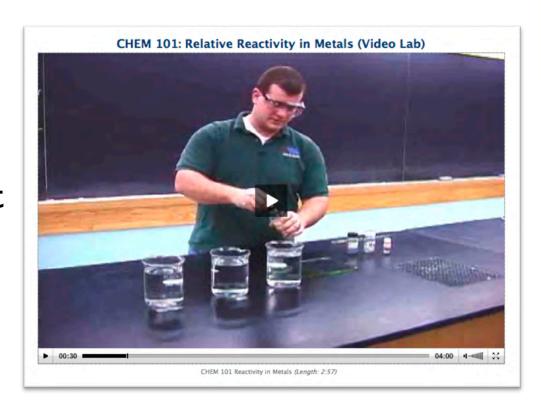
- Keep it concise
  - Research shows most people watch up to 5.8 minutes of non-class videos
  - Most teaching and learning centers recommend
     5-7 minutes for online classes





### Best Practices: Relevance

- Tie the video to:
  - Key instructional objectives
  - Especially difficult concepts
  - Exposure to field work





### Methods of Incorporating Video



### Lesson Introductions

What's New Syllabus

Lessons

Activities

**Live Office Hours** 

Communicate

Student Resources

Reports

**Getting Help** 

Switch Course Log Out

Search

#### Instructor Tools...

Course Management

Announcements

Student View

Live Session Instructor Link

Ungraded Items

Peer Evaluation Results

#### Authoring Tools...

Launch File Manager Edit Current Page View Page Revisions Edit Schedule Page

Edit Instructor Page

#### Staff Tools...

Export Wizard Import Content (OLD FS) Import Content (New FS) Quickbase

#### A Legal Framework for Analyzing Homeland Security Issues

As previously discussed, the dynamic interaction resulting from the sometimes conflicting acts of the separate branches of government can result in a hierarchical structure of controlling authorities from Constitutional provisions and treaties, at the top, to legislative enactments, and executive orders at the bottom, with judicial decisions selectively reviewing them. The challenge for the policy maker is to navigate decisions through such a legal thicket, and to coherently incorporate the many facets of that process into a workable framework for action.



#### Query:

If one presumes that ethical considerations are to be woven into U.S. security decision-making, at what point in a legal framework should they be evident?



### Demonstrations of Procedures

CHEM 101: Relative Reactivity in Metals (Video Lab)





### Case Studies





### Case Studies





### Case Studies



Length: 5:55

#### Discussion Questions:

- 1. What steps should Sarah take to meet the expectations of Secretary Briggs and Deputy Secretary Rubin?
- 2. What sorts of training activities as described in the text best fit the model the Secretary laid out to produce the agile employee?
- 3. What strategy should Sarah employ try to train the maximum number of employees or target key groups?

For background, go to the Web site of your own state's DOT and bring this in to your analysis; for example, consider the structure of the organization, the types of jobs, the geographic dispersion of employees, and so on.



### Virtual Field Trips

#### THE PENNSYLVANIA STATE UNIVERSITY

CRIMJ304
Security Administration

Course Home Page

Syllabus

Lessons Activities

Navigation Intro

Exams

Communicate

**Student Resources** 

Reports

Getting Help Switch Course

Log Out

Search

#### Instructor Tools...

Course Management
Announcements
Student View
Ungraded Items
Peer Evaluation Results

#### **Authoring Tools...**

Launch File Manager Edit Current Page View Page Revisions Edit Schedule Page Edit Instructor Page Lesson 3: The Rudimentary Aspects of Private Security

Contents

1 2 3 4 5

of 7

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#### Security Survey "Field Trip" Video

Start to plan for your Security Survey assignment that is due in Lesson 10. Make sure you have enough time to secure permission from the establishment to conduct the survey. You must submit your proposed Security Survey Site for approval by the end of Lesson 5. The following video provides an example of a security survey conducted at the Reading, PA School District in Spring 2011. It provides you with some important insight and things to consider when conducting a security survey.





### Virtual Field Trip





### **Expert Interviews**

# PERSPECTIVES





### Demonstration/Mini-lecture





So...now what? Is it working?





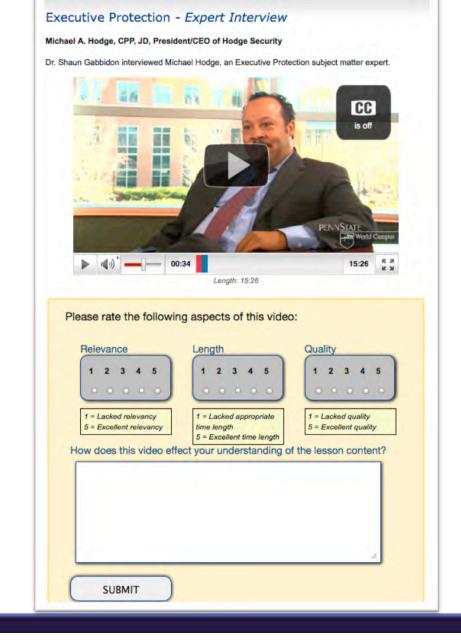
### Evaluating Impact

- Quick Answers
  - Thumbs up/down
  - Star rating
  - Checkboxes
- Open-ended Question
  - Prioritize according to objective or what is unknown
  - Choose one (or two) for best results



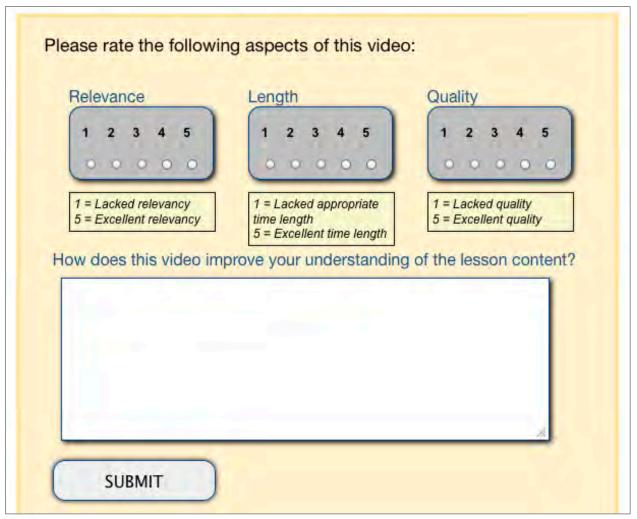
## **Embedded Evaluation**

- Google Form for instant student feedback
  - Relevance
  - Length
  - Quality

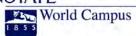




### **Evaluation**



PENNSTATE



### Our Results

- On the I-5 Rating Scale (5 being highest)
  - Relevancy: 4.6
  - Length: 4.05
  - Quality: 4.325
- Of the respondents, 75% answered the openended question



"I thoroughly enjoyed the video and brought the lesson to life. It was nice to actually hear someone tell about their experiences and what it takes to get into that area."



"I think that this video did a fantastic job of explaining the differences between the types of security. I found that I would be interested in learning more about security as a whole. I recently attended a career fair where it was suggested that I look into the opportunities associated with security systems."



"Too long."



"It is always good to hear and learn from real life experiences. Being able to listen to their perspectives and suggestions is a valuable asset to this class."



"This video gave me a glimpse into the world that many of my classmates and myself are looking to leap into. The segment was very informative on what to expect and the roles that are taken in the intelligence community. I wish we could have heard a little more on what his day to day role was, but his brief synopsis was intriguing and enough to make me want to learn more." PENNSTATE

World Campus

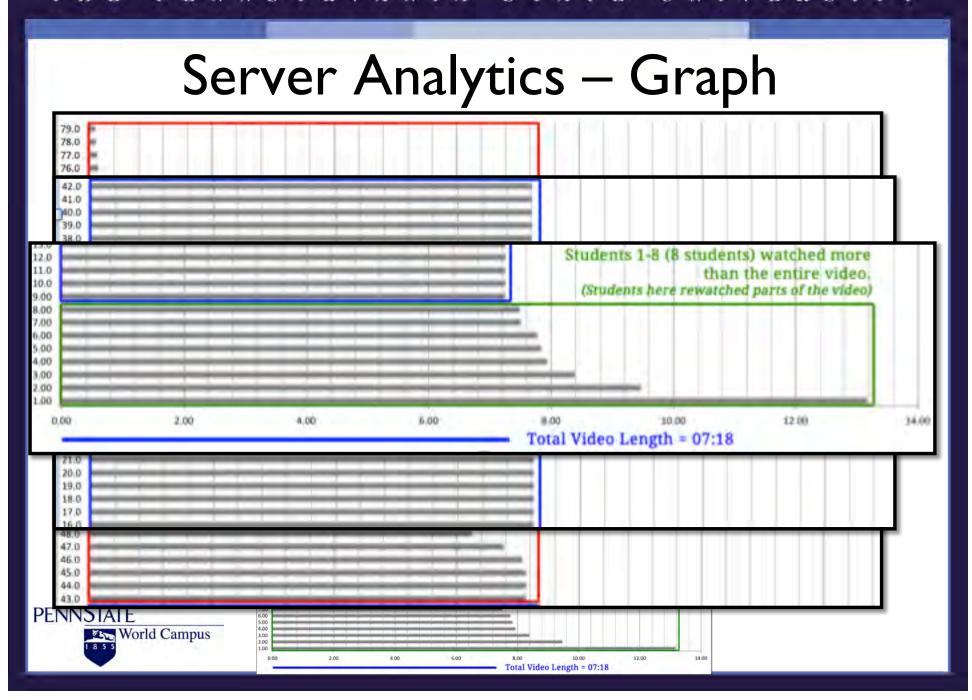
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### Server Analytics - Report

Client ID	Client IP	Events	Events (%)	Session events	Visitors	Unique client IPs	Server-to-client bytes	Client-to-server bytes	Server-to-client stream bytes	Client-to-server stream bytes	File size	Max file length	Stream
4702120030802887026	172.25.4.96	36	12.4	0	1	1	25456512	1998	25438644	0	4758708990	3159.562012	348
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4702120030853218671	172.25.4.96	24	8.2	0	1	1	17275026	1596	17256930	0	3806967192	3159.562012	198
4702122230228795760	75.102.127.57	24	8.2	0	1	1	25456212	1614	25438644	0	2855225394	3159.562012	348
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4702111235397730674	75.102.127.223	20	6.9	0	1	1	22482240	1305	22466900	0	2379354495	3159.562012	315
4702111234240102770	75.102.127.223	20	6.9	0	1	1	19923485	1305	19909380	0	2379354495	3159.562012	265
4702111234223325554	75.102.127.223	20	6.9	0	1	1	21213465	1305	21198790	0	2379354495	3159.562012	290
4702120031507530095	172.25.4.96	18	6.2	0	1	1	9665370	1440	9656064	0	2855225394	3159.562012	114
4702122230262350192	75.102.127.57	18	6.2	0	1	1	8061990	1392	8053578	0	2855225394	3159.562012	90
4702120030937104754	172.25.4.96	18	6.2	0	1	1	6422784	1440	6414918	0	2855225394	3159.562012	36
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4702111234625978735	64.134.96.191	4	1.4	0	1	1	7300753	173	7297135	0	987719022	3159.562012	37
4702113434269991282	75.102.101.100	4	1.4	0	1	1	7466011	173	7462151	0	987719022	3159.562012	45
4702114533378965871	75.102.101.100	4	1.4	0	1	1	7265158	173	7261437	0	987719022	3159.562012	45
4702114533076975984	75.102.101.137	4	1.4	0	1	1	4089814	173	4087061	0	475870899	3159.562012	44
4702117831897071984	172.25.4.8	2	0.7	0	1	1	1490558	145	1489186	0	317247266	3159.562012	3





### Next Steps

- More data!
- Combine server analytics with Google survey feedback
- Trend analysis





### Thank you!

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