Video Capture of Classroom Content

Workshop 1: Fundamentals of Video Capture of Classroom Content
Tuesday, April 30, 2013, 1:00-2:30pm

Workshop 2: Video Content Capture Lab Work
Thursday, May 9, 2013, 9:00am-Noon

Computer technology is changing the rules of higher education. From the Kahn Academy to Coursera and Udacity, the traditional classroom is being flipped on its head. No longer are archaic chalk talks, power points and handouts the best we can offer our talented young minds in higher education. Instead, we now have the power to transform the traditional classroom into a hybrid-learning environment via a host of Internet and computer technologies.

As a participant in this workshop series, you will:
- Examine some major movements in video content creation.
- Make at least one video for classroom use.
- Network with colleagues on campus who are interested in Video Content Creation.
- Receive a certificate of completion upon completion of both workshops in the series.

By the end of this workshop series, you will have gained a small but meaningful set of experiences directly related to the technical side of hybrid course design. In particular, you will have a chance to become familiar with emerging technologies in video content capture.

If you are interested, **please contact Jeff Anderson at janderson@math.ucdavis.edu to register.** *Please respond quickly: space is limited.*

Sponsored by

Video Capture of Classroom Content

Last Updated: Wednesday April 24, 2013 at 2:15pm

Introduction to Video Capture of Classroom Content

Computer technology is changing the rules of higher education. From the Kahn Academy to Coursera and Udacity, the traditional classroom is being flipped on its head. No longer are archaic chalk talks, power points and handouts the best we can offer our talented young minds in higher education. Instead, we now have the power to transform the traditional classroom into a hybrid-learning environment via a host of Internet and computer technologies.

By using tools including video capture of classroom content, at home self paced assignments, and web-based student assessments, we as educators can engineer our classrooms to maximize student-learning outcomes for each individual student. A very important first step towards creating such successful learning environments is to become familiar with technologies in our classrooms.

Here at UC Davis, the Center for Excellence in Teaching and Learning (CETL) has teamed up with Academic Technology Services to offer guidance, training and expertise to UC Davis faculty members. This support network is designed to assist UC Davis faculty in the development of learning environments that are enhanced by computer technology. It is time that UC Davis graduate students and post doctoral scholars had the same opportunity to broaden our skill sets in creating course content designed for hybrid delivery.

You are formally invited to participate in a two-part, certificate-granting workshop series on Video Capture of Classroom Content. This workshop series is offered to UC Davis graduate students and postdoctoral scholars during Spring 2013. As a participant, you will obtain valuable professional development that prepares you to be a leader in Video Content Capture technology. Not only will the certificate you earn by completing this series strengthen your resume, it will also set you apart from other educators as you move onto the job market.

As a participant in this workshop series, you will:
- Examine some major movements in video content creation.
- Make at least one video for classroom use.
- Network with colleagues on campus are interested in Video Content Creation.

By the end of this workshop series, you will have gained a small, but meaningful, set of experiences directly related to the technical side of hybrid course design. In particular, you will have a chance to become familiar with emerging technologies in video content capture. The following are the two workshops offered via this series:

Workshop 1: Fundamentals of Video Capture of Classroom Content
Tuesday April 30, 2013 from 1pm – 2:30pm
Participants will discuss basic components of video creation. This includes getting into specifics like the tools and software used for the trade. We will also give an overview of best practices for incorporating videos in the classroom.

Workshop 2: Video Content Capture Lab Work
Thursday May 9, 2013 from 9am – 12pm
Participants will film a 3-5 minute video with the editing software known as camtasia.

If you are interested, please contact Jeff Anderson at janderson@math.ucdavis.edu to learn more. The Office of Graduate Studies is sponsoring this workshop series through the Professors for the Future Program.

Participant Learning Outcomes

In order to earn a certificate in this workshop series you will need to:
1. Attend BOTH Workshop 1 and Workshop 2.
2. Complete the Pre-Class Assignments for both Workshop 1 and Workshop 2
3. Film and create a 3-5 digital video on content of your choosing.

CERTIFICATE WORKSHOP SERIES STRUCTURE & WORKLOAD

Overview of Time Commitment
This workshop series consists of two workshops:

- Workshop 1: Tuesday April 30, 2013 from 1pm – 2:30pm
- Workshop 2: Thursday May 9, 2013 from 9am – 12pm

All participants of this certificate granting workshop series can expect to spend three hours at home for each 90 minutes spent in the workshop. In other words, each participant can expect to spend a total of 3 hours to prepare for and reflect on workshop 1. Similarly, each participant can plan to spend 6 hours of work outside of workshop 2 preparing for and reflecting on the workshop content.

This roughly translates into a total of 13.5-hour commitment to this workshop series over the span of two weeks. To meet this time requirement, a participant should set aside the proper amount of time to prepare for and reflect on the workshop content. The schedule below gives accurate estimations that should help with the planning process.

Pre-Workshop Assignments and Worksheets
For each in-class meeting, set aside at least 2 hours strictly dedicated to preparing for our time together. This course is designed to introduce you to Video Content Creation as well as a expose you to a number of best practices for video recording. You will not be spending much time being lectured in our workshop meetings. Instead, workshop meeting time will be dedicated to interactive brainstorming, reflection and creative work. To fully participate in these activities, each student must adequately prepare for these experiences.
   In order to earn a certificate series, you are expected to complete all pre-workshop assignments and submit the associated worksheets within the first 5 minutes of the in-class workshop meeting. In particular, each student should complete the Preparation Worksheets for the appropriate sections of the book BEFORE we cover these ideas in class. These worksheets are available on the SmartSite page associated with this workshop series. A rough timetable for this workshop series is included below.

Overview of In-Class Work
   Workshop one will be exactly 1 hour and 30 minutes long. Workshop 2 will be exactly 3 hours long. However, plan on showing up at least 5 minutes early and staying a few minutes after class. The majority of our in-class time for the first workshop will be dedicated to group discussion, question and answer sessions and individual creative work designed to help each of you begin the process of making videos. For our second workshop, we will actually be filming videos together and rendering associated MP3 files. In both cases, our in-class time will be collaborative and very much focus on creative synthesis, not analysis.

After workshop meeting, you will be asked to process what you experienced and refine your ideas into a more polished version. Expect to spend about one hour for reflection and goal setting. More about specific follow up activities can be found in the timetable below.

RECOMMENDED MATERIALS

Being able to record and post classroom content in short videos is a tool that will change the face of education in the next 30 years. The sooner we as educators embrace this tool set and master the fundamentals, the better it is for our careers and our students. While there is a relatively low barrier to entry, there are some resources that you will need. For this workshop, you need only have access to the Internet and show up to the workshop meetings. However, below you will find a more comprehensive list of useful tools to consider purchasing if you plan to develop a career in academia/teaching. These are things that you might save for over a period of years. If you have an entrepreneurial spirit, you might think of your initial expenses as an investment to secure future revenue (like a job).

WORKSHOP CERTIFICATE RESOURCES:
   Daily Access to the Internet
   A Planner or equivalent digital software
   Access to UC Davis SmartSite
   Daily access to a printer
   A USB stick with at least 100Mb of free space

RECORDING STUDIO RESOURCES (PROVIDED FOR YOU IN THE LAB):
   Camtasia Studio2 for Mac ($89.99) or
   Camtasia 8 for Windows ($259.00)
   Wacom Bamboo Tablet ($79.00) or
   Wacom Intuos 5 TouchTablet ($309.00)
   Samsung C03U Multi-Pattern USB Studio Condenser Microphone ($99.99) or
   Blue Microphone: Yeti USB Pro ($200)
   Skype (Free)
   Fancierstudio box lights and backdrop ($179.99)
   QuickPrompt teleprompter ($199.95)
   PromptDog teleprompting software ($59.95)

PERSONAL LIBRARY RESOURCES ON RELATED TOPICS:
   The Power of eLearning by S. Waterhouse ($54.48)
   Developing Technical Training by R.C. Clark ($31.63)
   Online Learning Idea Book by P. Shank (Volumes One: $37.98, Volume Two: $46.95)
   How Learning Works by S.A. Ambose ($30.00)
   Tools for Teaching by B.G. Davis ($39.18)

NEWS AND REVIEWS ON DIGITAL MEDIA:
   teachthough.com
   Edshelf.org
   EduCause
   Chronicle of Higher Eduction

Workshop 1: Fundamentals of Video Capture of Classroom Content **Tuesday April 30, 2013 from 1pm – 2:30pm**	

Prior to Workshop 1:	☐ Print out "Quiz on Major Players in Video Content Creation"
	☐ Print out "My Personal Goals for this Series and Beyond Worksheet"
	☐ Watch each of the following videos:
	   • Khan Academy: The Future of Education (60 minutes)
	   • Salman Khan talk at TED 2011
	   • Daphne Koller: What we're learning from online Education
	   • Sebastian Thrun about UDacity DLD 2012
	   • Peter Norvig: The 100,000-student classroom at TED 2012
	
	☐ Watch James Carey's Video: "Digital Ideas for Hybrid and Online Instruction"
	☐ Complete the "Quiz on Major Players in Video Content Creation"
	☐ Complete the "Video Capture Personal Goals Worksheet"

During Workshop 1:	**Large Group Work:** ☐ Discuss best practices on Video Content Capture ☐ Discuss Elements of a Video Content Studio ☐ Discuss the Video Capture Creation Process (one example of it) **Individual/ Pair Work:** ☐ Create idea for filming your first video ☐ Begin writing script and designing first video ☐ Prepare questions for Follow up work from Workshop 1
Follow up Workshop 1:	☐ Watch the following videos that act as models: ☐ Print out "Worksheet on Video Video Content Creation" ☐ Complete "Worksheet on Video Video Content Creation"

Workshop 2: Video Content Capture Lab Work **Thursday May 9, 2013 from 9am – 12pm** **in Olson 230 (ATS eLearning Studio)**	

Prior to Workshop 2:	☐ Watch Videos 0 – 4 on the video playlist from
	   • Camtasia2 Mac Tutorials OR
	   • Camtasia Studio 8 for Windows Tutorials
	☐ Create a script for your video
	☐ Create a refined version of the presentation you will record for a 3-5 minute video
	☐ Practice your script along with your presentation a few times to prepare for filming.

During Workshop 2:	☐ Film your Video (10 minutes each) ☐ Edit Your video (5 minutes each) ☐ Create an MP3 file that can be easily (5-10 minutes each)
Follow up For Workshop 2:	☐ Set goals and budget for your personal recording studio ☐ Collect your certificate of completion

ENRICHMENT: Contextualizing Video Content Capture within a Bigger Framework

Below are a set of short online videos, books and articles that introduce important ideas relating to developing meaningful careers in any field of interest. If you have downloaded a digital copy of this syllabus, simply click on the hyperlinks associated with each bullet point. These give you perspective beyond the content mastery you will achieve in this workshop series. Each of these resources also provides ideas that relate to motivation, creativity and technology.

- College Unbound: The Future of Higher Education by Jeff Selingo
- The New Digital Age with Eric Schmidt
- MOOCs and the Future of Higher Education
- The Changing Landscape of US Higher Education
- Daniel Pink... Drive (RSA Animate)
- Dan Meyer: Math class needs a makeover (Ted talks)
- Confessions of a converted Lecturer
- Ken Robinson: Changing Education Paradigms (RSA Animate)
- A university of the coming singularity
- Daniel Pink on Motivation (TED Talks)
- Play is More Than Fun by Stuart Brown
- School Kills Creativity by Ken Robinson
- Building Academic Interventions that Work: Mixing New Science and Time-tested Practices

Hello all,

This is a friendly reminder that tomorrow we will be having our second meeting:

Workshop 2: Video Content Capture Lab Work
Thursday, May 9, 2013 from 9am - 12pm
ATS-eLearning Studio, Olson Hall Olson 230