

INSTRUCTIONAL VIDEO ON A SHOESTRING, OR MORE

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ABSTRACT

Video is a medium that has become amazingly accessible to everybody with a smart phone. More advanced video gathering is possible with inexpensive solid-state memory cameras coupled with wearable cameras like the GoPro HD Hero or Whiteboard Capture systems. The active-learning component of the workshop will be on what instructors can accomplish with minimal resources and support. This basic workshop will present a how-to for participants who have a smart phone (or a workshop partner whom they can share with) and little or no experience making instructional videos.

The authors will present video capture techniques readily available to instructors, including smart phones, tablets, notebook computers, wearable cameras, solid-state video cameras, and interactive pen displays. Processing and posting workflows will be explained for both Apple and Windows platforms.

Participants will create a short instructional video with a smart phone and post it to YouTube (if time and bandwidth permits).

KEYWORDS: Video, MicroLecture, Lecture, Standards 3, 10

OBJECTIVES

1. Knowledge of tools available for simple and more advanced video production by instructors
2. Hands on experience in producing and distributing a short video to students
3. Motivation to include some video in their courses

OUTLINE OF TOPICS

- How can you capture instructional video material that will be valuable to students?
- What simple tools can you use to edit that video and package it for students?
- How can you make your video available via YouTube?
- Make and share a short instructional video today with your phone.

BIOGRAPHICAL INFORMATION

Rick Sellens is an Associate Professor in the Department of Mechanical and Materials Engineering at Queen's University. His research background is in Fluid Mechanics and more recently in Biomechanics. He has been actively involved in facilities and curriculum development to support active learning, including the Integrated Learning Centre at Queen's.

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