

I. Introduction to learning outcomes for Digital Tools Class

A. Students required content production

- 1. PowerPoint slide presentation**
 - a) Slide count 5-10 slides*
 - b) Contains a combination of images and text*
 - c) Provides a visual outline of “how to” video*
- 2. Students provide oral presentation of PowerPoint slide show**
 - a) Presentation to class that is recorded with video and audio*
 - b) Use bamboo pointer to highlight or call attention to slide content*
 - c) Use Adobe Premier Pro to edit slide show*
 - (1) Add title: speaker name and date of presentation
 - (2) Output each individual slide as JPEG image
 - (3) Overlay JPEG images onto seminar video
 - (4) Replace pointer highlighting with overlay graphics
 - (5) Export seminar file with web compatible features
- 3. Student produce 5-10 minute “how to video”**
 - a) Content can be based on slide show seminar*
 - b) Describes a simple procedure to accomplish something*
 - c) Examples of “how to” video*
 - (1) Setup lab equipment
 - (2) Download data from a temperature/humidity recorder such as weather station (HOB)
 - (3) Prepare insect or plant ID specimen for collections
 - (4) Any type of lab procedure
 - (5) How to ID a plant, insect or disease
 - (6) Cooking show is also OK, boiling an egg.

- d) Final video exported for both online and DVD authoring*
- 4. Student content posted on CTAHR website as class resources.

B. Learning outcomes for students

1. Comfortable with camera features for recording video content
2. Understand camera audio features and wireless mic usage
3. Basic editing with Adobe Premier Pro CC.
 - a) Import files = project assets*
 - b) Organize “project” assets*
 - c) Review video files and select parts for final video*
 - d) Understand file export setting for various uses*
 - (1) Web based streaming
 - (2) DVD authoring standard and Blu Ray
 - (3) Export stills from video
4. Basic understanding of lighting for interview video
5. Make use of online class resources

C. Camera Orientation

1. TPSS has 2 Canon consumer grade video cameras
 - a) Canon Vixia HF R50*
 - b) Class can sign out camera for recording*
 - c) Class lectures to provide orientation on camera use*
 - d) Online resources at <http://www.ctahr.hawaii.edu/deFrankj/index.htm>*
 - (1) Camera user’s manual
 - (2) Video clips of camera operations
 - (3) Class lecture notes
 - (4) See Fall 2012 class videos

D. Video Editing software

1. Adobe Premier Pro CC (creative cloud)
 - a) Available in both Mac and PC version*

b) *UH Bookstore has student pricing*

- (1) A. Creative Cloud = \$299/yr.
- (2) Photoshop & Premier Elements 13 = \$119.
- (3) Departmental license CC 2-machines = 419.88/yr.

c) *Desktop PC computer in Magoon Conf. Rm 106*

- (1) Use during work hours 7:30 am to 3:45 pm.
- (2) After hours work, see faculty/grad. Students for entry.

d) *Classroom in a book, available for use in Dr. DeFrank's St. John's Lab room 21*

- (1) Book and DVD content for complete software training

2. In-class orientation to accelerated student learning for camera operations and video editing

E. Student provided resources

- 1. SD chips for camera recording 32-16 GB with #10 speed class.
- 2. Ok to use student cameras or smart phone for video recordings

F. Grading for undergraduate and graduate students

- 1. Undergraduates get credit/no credit grade
- 2. Graduate students get A or B grades.
 - a) *Graduates producing less than B level work will get an incomplete until quality rises to at least B-level.*
- 3. List of student produced content
 - a) *Live oral seminar presentation to class*
 - b) *Edited version of live oral presentation*
 - (1) Requires Premier Pro Project that produced the edited video
 - c) *"How to video" no more than 10 min.*
 - (1) Requires Premier Pro Project that produced the edited video.