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U.S.-Pakistan Center For Advanced Studies in Agriculture & Food Security

Hybrid Course Design & Development

INSTRUCTORS:

- » Professor James R. Carey, PhD
- » Prof. Thomas L. Rost, PhD, University of California, Davis, CA, USA

One-day workshop – Monday, 17 October 2016

Multi-day workshop – Tuesday to Friday, 18-21 October 2016

University of Agriculture, Faisalabad, Pakistan

Partner Universities

UC DAVIS
UNIVERSITY OF CALIFORNIA



WORKSHOP DESCRIPTIONS

The overarching goals for the two workshops are to provide participants with (1) big-picture perspectives on the use of hybrid courses in university instruction and (2) operational and technical frameworks for developing their own hybrid courses. The specific aims for the workshops are to increase participant's knowledge of the efficiencies in the use of learning management systems (LMS) and of best practices in information design, presentation concepts, and video production methods. Much of the focus will be on the strategic use of digital technology in teaching including topics on such as information graphics, advanced PowerPoint, story boarding, green screen recording, and picture-in-picture video production. Because of its short duration, the one-day workshop will involve mainly lectures and demonstrations by the instructors with a modest number of hands-on exercises for participants. All participants in the one-day workshop should bring a laptop computer loaded with PowerPoint. This workshop is open to everyone, as space permits. Because of its longer duration, the multi-day workshop will not only include lecture material and demonstrations, but also exercises in which participants gain hands-on technical experience. Participants in the multi-day workshop will be expected to produce a 60-second video on a topic of their choosing using their own slides, the end product of which that will be showcased as a “movie premier” on the last day. Participants in the multi-day workshop should bring a laptop computer loaded with PowerPoint, Excel and a 30-day free trial version of 'Camtasia' and a data set consisting photos, tables, graphs, etc. on a topic of interest to them. This workshop is limited to 50 participants. Emphasis throughout both workshops will be on technological fluency and zero-cost video production. Participants should not attend both workshops.

James R. Carey (jrcarey@ucdavis.edu); Thomas L. Rost (tlrost@ucdavis.edu)



ONE-DAY WORKSHOP ON STRATEGIC USE OF DIGITAL TECHNOLOGY IN UNIVERSITY INSTRUCTION

October 17, 2016

University of Agriculture, Faisalabad, Pakistan

Instructors: Professor James R. Carey, and Professor Emeritus Thomas L. Rost, University of California, Davis, CA, USA

SCHEDULE

Morning - October 17 (Monday)

08:30am	Welcome and introduction to the workshop
08:45am	Some principles of university teaching; Trends and best practices in 21 st century university instruction
09:30am	Concepts of information and visual design for producing engaging and effective course content; Overview of learning management systems (LMS)
10:30am	Tea break
11:00am	Presentation concepts (“slide-ology”); intermediate and advanced PowerPoint techniques; strategic and judicious use of animation
12:30pm	Lunch break

Afernoon - October 17 (Monday)

02:00pm	Storyboarding, script writing, PowerPoint preparation, and narration and scripting concepts for producing instructional videos
03:30pm	Tea break
04:00pm	Technical and operational components of video production: microphones, teleprompters, green screens, video recording, editing and movie rendering.
05:00pm	Creating your own hybrid courses: balancing face-to-face lectures, posting on-demand videos online, and adaptive learning concepts
05:30pm	Discussion and questions; End of workshop

MULTI-DAY WORKSHOP ON HYBRID COURSE DESIGN AND DEVELOPMENT

October 18-21, 2016

University of Agriculture, Faisalabad, Pakistan

Instructors: Professor James R. Carey and Professor Emeritus Thomas L. Rost, University of California, Davis, CA, USA

SCHEDULE

Day I - October 18 (Tuesday)

09:00-09:45am	Registration	02:00pm	Concepts of information and visual design for producing engaging and effective course content; example short videos
09:45am	Welcome	03:00pm	Break-out into teams; discuss ideas and production strategies for individual video projects
10:00am	Introduction to workshop	03:30pm	Tea break
10:30am	Tea Break	04:00pm	Camtasia video software: Interactive tutorials (workshop participants)
11:00am	Pedagogical principles in university teaching	05:00pm	End Day I
11:30am	Trends and best practices in 21 st century university instruction		
12:00pm	Overview of learning management systems (LMS);		
12:30pm	Lunch break		

Day 2 - October 19 (Wednesday)

09:00am	Review Day 1
09:15am	Storyboarding, script writing, PowerPoint preparation, and narration and scripting concepts for producing instructional videos
10:30am	Tea break
11:00am	Hands-on exercise in intermediate PowerPoint
12:30pm	Lunch break
02:00pm	Technical and operational components of video production: microphones, teleprompters, green screens, video recording, editing and movie rendering.
03:30pm	Tea break
04:00pm	Break-out into teams to work on individual video projects
05:00pm	End Day 2

Day 3 - October 20 (Thursday)

09:00am	Review Day 2
09:15am	Advanced PowerPoint concepts and methods
09:45am	Exercises in advanced PowerPoint
10:30am	Tea break
11:00am	Break-out into teams to work on individual projects
12:30pm	Lunch break
02:00pm	Break-out into teams to finalize and record each 1-minute projects
05:00pm	End Day 3
Midnight	Deadline for uploading rendered videos

Day 4 - October 21 (Friday)

09:00-09:15am	Review of workshop
09:15-10:30am	Video movie "premier" (videos produced by workshop participants)
11:00am	Closing remarks and certificates
12:00pm	End workshop

BIOSKETCHES

James R. Carey is distinguished professor and former vice-chair in the department of entomology at the University of California, Davis with primary research interests in the biology and demography of insects. Prof. Carey teaches two large-enrollment courses each year, one hybrid and the other 100% online. The recipient of several teaching awards including the UC Davis Academic Senate Distinguished Teaching Award in 2013, he is considered to be one of the most digitally-progressive instructors at the university. He has taught multiple workshops at UC Davis and other large research universities in the U.S. as well as in Nairobi, Kenya at the Consortium for Advanced Research Training in Africa and in Rome, Italy at the European Doctoral School of Demography.

Thomas L. Rost is a Professor Emeritus, Plant Biology, University of California, Davis. Professor Rost's research focused on plant structure and development with an emphasis on root development, the effects of stress on plant structure, and the mode of bacteria movement in the vascular system of grape plants. The applications of technology in teaching was a major part of his teaching going back to 1973. Professor Rost received the UC Davis, Distinguished Teaching award in 1998, the Botanical Society of America (BSA), Charles E. Bessey Award for teaching in 2007, the BSA Distinguished Botanist Award in 2008, and two Fulbright Senior Specialist Awards in 2013 and 2015. Rost has published 170 research publications and 7 books, and during his career at UC Davis he was Plant Biology Department Chair, Executive Associate Dean of the College of Biological Sciences, and held positions on many university committees. Rost was the International President of Gamma Sigma Delta, the International Honor Society for Agriculture in 2004-2006, and he has been involved for several years in aspects of international programs in many countries, but most recently in Pakistan, Slovakia, Myanmar, Afghanistan and Vietnam.

ORGANIZING COMMITTEE

- » Dr. Ghulam Murtaza, Director Academics (Convener)
- » Dr. Nancy J Allen, CAS-UCD
- » Dr. Sultan Habibullah, CAS
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