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Experience Assessment Form

"Digital Video and Web Streaming"
Tom Cummings, WBGU-TV
Technical Services Coordinator
talks to TCOM 469 students

Course Information
TCOM 469 #45221; 3 credits
Dates: 07/02-08/10 M W
Time: 6:15-9:25 P.M.
Place: 126 Hayes Hall

Tatyana Dumova
Graduate-student instructor
Office: 208 Tucker Center for Telecommunications
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Uses of Web Video
View slide show
10 slides PPT

Course Rationale
This summer course is designed for students of diverse
backgrounds. It will cover the nuts and bolts of the production (shooting), post-production (editing), and distribution (webcasting) of Web video. Participants will complete individual and group video projects for the Web in order to get started with this growing area of multimedia. No prerequisites are required except basic computer skills.

Course Content

I. Shooting Video for the Web
- Uses of video on the Web
- Storytelling techniques
- Signal recording formats
- Camera features
- Lighting principles
- Properties of sound
- Still images acquisition
- Shooting techniques for the Web

II. Editing Video for the Web
- Transferring video to the computer
- Signal capture settings: digital vs. analog capture
- Web video tools
- Web audio and video editing principles
- Working with still images and graphics for the Web
- Adding text to your video

III. Distributing Web Video
- Digital video and audio compression techniques
- Lossy vs. lossless compression
- Choosing a codec and selecting configuration
- Optimizing the output for delivery on the Web
- Serving
- Bandwidth
- Webcasting
- Playback constraints

Recommended Textbooks


Assignments & Grading

Promotional/Informational video 25%
Educational/Instructional/Training video 25%
Video portfolio 25%
Class participation (video exercises, class Web site, quizzes) 20%
Attendance 100%

Complete the Student Experience Assessment Form