DCTE 745/845
Multimedia Systems

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Course Overview

- Advanced systems
  - Theoretical
  - Practical
  - Applied
- Design of multimedia products
- Evaluation of multimedia products

Required Materials

- Text & reference material
  - Multimedia Systems Supplemental Readings
  - Student-discovered sources
- Software
  - Authoring package
  - Graphical, sound, video, and text editing
Course Goals

- Plan, develop, and document a professional-grade multimedia product
- Identify and analyze the technological impediments to multimedia production and distribution
- Evaluate and critique multimedia products
- Work effectively as a member of a multimedia production team

Cluster Goals

- Get to know instructor and class cohorts
- Understand course requirements and schedule
- Identify a ‘point of departure’ for independent study segment of the course
- Form multimedia production team
  - Assign duties
  - Plan schedule

DCTE745 Assignments

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<tr>
<th>Assignment</th>
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<tr>
<td>Technical briefs</td>
<td>4/15/99</td>
<td>50 pts</td>
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<td>Project</td>
<td>6/4/99</td>
<td>85 pts</td>
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<td>Analysis/Evaluation</td>
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<td>Papers</td>
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<td>Web site forum contributions</td>
<td>4/4/99</td>
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Technical Briefs

- Synchronization in multimedia
- Quality of Service
- Video compression
- Graphic file formats
- Computerized sounds

Project

- 5 minute product that can be used for
  - Training
  - Sales
  - Promotion
- Incorporate at least 3 multimedia features
  - Animation
  - Video
  - Sound
  - Interactivity

Project Deliverables

- The multimedia product
  - Self-contained on a CD-ROM or Zip Disk
  - All necessary run-time software
- Planning tools
  - Flowcharts
  - Storyboards
- In-class presentation during June cluster meeting
Analysis/Evaluation Papers

- Annotated bibliography
  - 25 articles
  - Specific to your profession
- Specification for a multimedia authoring system
  - Hardware requirements
  - Software requirements

Web Site Evaluations

- Goal
  - Stimulate interaction among cohorts
  - Simulate classroom discussions
- Threaded discussion forum contributions
- Start 3 threads, evaluating multimedia-rich Web sites
- Comment on at least 3 threads presented by others
- Do more

Submitting Work

- Development project
  - CD-ROM
  - Zip disk
- Web site evaluations
  - Online threaded discussion forum contributions
- All other assignments
  - SCIS Electronic Students system
  - Word, RTF, or Text format
DCTE845 Requirements

- Paper describing development of project criteria (3-5 pages, with references)
- Flowcharts
- Storyboards
- A complete multimedia product
  - All necessary run-time software
  - CD-ROM or Zip Disk
- Paper describing testing process

Timeliness of Submissions

- All work is due on the date indicated in the course syllabus
  - Work submitted early will be evaluated and returned for further development
  - Work submitted late will receive minimal commentary
- Incompletes
  - Not given except under extreme hardship