REQUISITES: DIGI0176, Graphic Design: Multi-Media and Web I

REQUIRED TEXT AND MATERIALS: Please check with the KCKCC bookstore, http://www.kckccbookstore.com/, for the required texts for your particular class.

COURSE DESCRIPTION:
Students will acquire an advanced knowledge of the design and development of multimedia interactive interfaces and production of graphic images for those interfaces. A variety of software programs will be utilized in the production of still images and animations, including video editing. The production of interactive multimedia projects for student’s professional portfolios will be emphasized.

METHOD OF INSTRUCTION: A variety of instructional methods may be used depending on content area. These include but are not limited to: lecture, multimedia, cooperative/collaborative learning, labs and demonstrations, projects and presentations, speeches, debates, and panels, conferencing, performances, and learning experiences outside the classroom. Methodology will be selected to best meet student needs.

COURSE OUTLINE:
I. Review of Multimedia Types.
A. CD-ROM and multimedia delivery
B. Interface types
C. Project design

II. Understanding Production Platforms
A. Production of multimedia for Macintosh and PC/Windows
B. Output in cross platform formats

III. Advanced Tools
A. Text editing and OCR tools
B. Painting and drawing tools
C. Image editing tools
D. Sound editing tools
E. Animation, Video and Digital Movie tools

IV. Multimedia Authoring Tools
A. Card and page based authoring tools using Director 8.5
B. Time based tools using Final Cut Pro
F. Linking Multimedia objects and actions
G. Office suites and presentation tools

V. Images
A. Planning and organization
B. Bitmaps and vector drawing
C. Computerized color, and creating color palettes
D. File compression

VI. Animations
A. Principles of animation
B. Animation file formats
C. Animation techniques in video and still images

VII. Video
A. Broadcast video standards
B. Integrating computers and television
C. Shooting and editing video
D. Lighting, croma key and blue vs. green screen
C. Composition
D. Recording formats
E. Nonlinear editing
F. Video compression

VIII. Advanced Designing and Production of User Interfaces
A. Project planning
B. Designing the project structure
C. Interface types and interaction with project structure
D. Producing the interface mock up

IX. Interactivity Testing
A. Alpha and beta testing
B. Delivery on CD-ROM

EXPECTED LEARNER OUTCOMES:
By the end of the course, the student will be able to:
A. Design Multimedia and Interactive Interfaces
B. Produce multimedia for Macintosh and PC/ Windows
C. Use Advanced Editing Tools
D. Use Multimedia Authoring Tools
E. Create Images for multimedia
F. Create Animations for multimedia
G. Create Video for multimedia
H. Design and Produce User Interfaces
I. Test multimedia

**COURSE COMPETENCIES:**

*Design Multimedia and Interactive Interfaces*
1. The student will produce multimedia on CD-ROM
2. The student will create various interface types
3. The student will design multimedia projects

*Produce multimedia for Macintosh and PC/ Windows*
4. The student will produce multimedia projects for Macintosh and PC/ Windows platforms
5. The student will output in cross platform formats

*Use Advanced Editing Tools*
6. The student will use text editing and OCR tools
7. The student will use painting and drawing tools
8. The student will use image-editing tools
9. The student will use Sound-editing tools
10. The student will create animations, Videos and Digital Movies

*Use Multimedia Authoring Tools*
11. The student will use card and page based authoring tools using Director 8.5
12. The student will use time based tools such as Final Cut Pro
13. The student will link multimedia objects and actions
14. The student will use office suites and presentation tools

*Create Images for multimedia*
15. The student will plan and organize image sequences for multimedia
16. The student will create bitmaps, and vector images
17. The student will create computerized color, and create color palettes

*Create Animations for multimedia*
18. The student will create Animation file formats
19. The student will create Animation techniques in video and still images

*Create Video for multimedia*
20. The student will be able to define broadcast video standards
21. The student will integrate computers and television
22. The student will Shoot and edit video
23. The student will use lighting, croma key and blue vs. green screen
24. The student will use composition principles
25. The student will use various Recording formats
26. The student will use nonlinear editing
27. The student will use various video compressions

*Design and Produce User Interfaces*
28. The student will plan a multimedia project
29. The student will Design the project structure
30. The student will integrate interface types and interactivity with project structure
31. The student will Produce the interface mock up

*Test multimedia*
32. The student will perform Alpha and beta testing
33. The student will deliver multimedia project on CD-ROM

**ASSESSMENT OF LEARNER OUTCOMES:**
Student progress is evaluated by means that include, but are not limited to, exams, written assignments, and class participation.

**SPECIAL NOTES:**
This syllabus is subject to change at the discretion of the instructor. Material included is intended to provide an outline of the course and rules that the instructor will adhere to in evaluating the student’s progress. However, this syllabus is not intended to be a legal contract. Questions regarding the syllabus are welcome any time.

Kansas City Kansas Community College is committed to an appreciation of diversity with respect for the differences among the diverse groups comprising our students, faculty, and staff that is free of bigotry and discrimination. Kansas City Kansas Community College is committed to providing a multicultural education and environment that reflects and respects diversity and that seeks to increase understanding.

Kansas City Kansas Community College offers equal educational opportunity to all students as well as serving as an equal opportunity employer for all personnel. Various laws, including Title IX of the Educational Amendments of 1972, require the college’s policy on non-discrimination be administered without regard to race, color, age, sex, religion, national origin, physical handicap, or veteran status and that such policy be made known.

Kansas City Kansas Community College complies with the Americans with Disabilities Act. If you need accommodations due to a documented disability, please contact the Director of the Academic Resource Center, in Rm. 3354 or call at: 288-7670.