DATE OF LAST REVIEW: 02/2013

CIP CODE: 10.0304

SEMESTER: Departmental Syllabus

COURSE TITLE: Digital Video Production

COURSE NUMBER: MMVP0190

CREDIT HOURS: 3

INSTRUCTOR: Departmental Syllabus

OFFICE LOCATION: Departmental Syllabus

OFFICE HOURS: Departmental Syllabus

TELEPHONE: Departmental Syllabus

EMAIL: KCKCC issued email accounts are the official means for electronically communicating with our students.

PREREQUISITES: MMVP0140

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

COURSE DESCRIPTION:
The fundamentals of Digital Video Production will be studied including image capture, tape formats and compression as well as non linear, non destructive editing with industry standard software, application of special effects and output to tape and DVD.

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

COURSE OUTLINE:
I. Image Formation and Digital Video
   A. Basic Image Formation
   B. What is Digital?
   C. Why Digital?
II. Non linear editing
   A. Touring Premiere
   B. Selecting Settings
   C. Capturing video assets
D. Adjusting preferences
E. Managing Assets
F. Creating Cuts only Video
G. Adding Transitions
H. Titles
I. Audio Editing and Mixing
J. Compositing
K. Project Management
L. Exporting
M. Authoring DVD

III. Special Effects
A. After Effects
B. The Interface
C. Importing
D. The Composition
E. Timeline, Key frames and Animation
F. Previewing Movies
G. Layers
H. Typography
I. Effects
J. Parenting
K. Painting
L. Masks
M. Track Mattes
N. 3D Layers
O. Rendering

EXPECTED LEARNER OUTCOMES:
A. Upon successful completion of the course the student will be able to define digital imaging
B. Upon successful completion of the course the student will be able to describe the elements and of Digital Image formation
C. Upon successful completion of the course the student will be able to demonstrate appropriate use of a Non linear editing workstation and software
D. Upon successful completion of the course the student will be able to author an interactive DVD
E. Upon successful completion of the course the student will be able to demonstrate appropriate application of Special Effects to video in a non linear environment

COURSE COMPETENCIES:
Upon completion of the course the student will be able to define digital imaging
1. The student will describe the scanning process
2. The student will differentiate standard and HD scanning systems
3. The student will explain format conversion
4. The student will identify components of various flat panel screens

Upon completion of the course the student will be able to describe the elements and of Digital Image formation
5. The student will differentiate between analog and digital
6. The student will identify sampling rates
7. The student will identify advantages of digital image use
8. The student will identify compression schemes used to deliver digital video

Upon completion of the course the student will be able to demonstrate appropriate use of a Non linear editing workstation and software
9. The student will identify the accepted elements of the standard digital video workflow.
10. The student will optimize video assets
11. The student will manually capture analog information
12. The student will select the appropriate preferences for specified projects
13. The student will import assets
14. The student will use a storyboard to build a rough cut
15. The student will edit clips on the timeline
16. The student will identify the guidelines for appropriate transition use
17. The student will apply transitions to video
18. The student will create and modify titles
19. The student will capture and edit audio

**Upon completion of the course the student will be able to author an interactive DVD**
20. The student will use the media encoder to export digital video files
21. The student will identify MPEG encoding schemes and their appropriate application
22. The student will author a DVD using Encore

**Upon completion of the course the student will be able to demonstrate appropriate application of special effects to video in a non linear environment**
23. The student will identify the components of the After Effects interface
24. The student will create compositions from still resources and footage
25. The student will set key frames
26. The student will use Bezier, auto oriented and precise paths
27. The student will apply custom effects to layers and adjustment layers
28. The student will create masks and mattes
29. The student will render output

**ASSESSMENT OF LEARNER OUTCOMES:**
1. Attendance and participation is required
2. Completion of all assigned projects
3. Completion of all quizzes

**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.

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