Intro to Desktop Video/Audio

VPT 1030

Class Hours: 3.0  Credit Hours: 3.0
Laboratory Hours: 0.0  Date Revised: Spring 07

NOTE: This course is not designed for transfer credit.

Catalog Course Description:

An introductory course for Video Production Technology students covering basic desktop computer operating systems and the technologies used to bring photographic (film, video, still) images and audio into the digital domain. Students will learn to prepare audio and video media from preproduction to postproduction using applications, including QuickTime, ProTools and Avid for analog and digital delivery systems and the Internet.

Entry Level Standards:

Students must be able to read at the college level.

Prerequisites/Co requisites: None

Textbook(s) and Other Reference Materials Basic to the Course:

Avid Editing: A Guide for Beginning and Intermediate Users
Sam Kauffmann, Focal Press
http://www.avid.com/
http://www.avid.com/solutions/education/students.asp
http://www.pstcc.edu/departments/mdt/index.htm

I. Week/Unit/Topic Basis:

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<thead>
<tr>
<th>Week</th>
<th>Topic</th>
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<tbody>
<tr>
<td>1</td>
<td>Review The course syllabus</td>
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<tr>
<td>2</td>
<td>File formats and mass storage—Avid LANshare</td>
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<td>3</td>
<td>Introduction to AVID software</td>
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<td>4</td>
<td>Avid editing; navigating the timeline</td>
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<td>5</td>
<td>Editing projects--Avid</td>
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<td>6</td>
<td>Applications in Pre-production, production, and Post-production</td>
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<tr>
<td>7</td>
<td>Avid editing; creating bins, super bin mode, bin headings, frame view, storyboard editing,</td>
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II. Course Objectives*

A. Understand the basic operation system of the desktop computer including the PC and MacIntosh, the operating system software and other VPT specific applications. I, IV

B. Explore VPT specific computer applications and their basic functions. I, IV

C. Demonstrate how to use peripheral devices and software unique to desktop video/audio production and post production. I, II, IV

D. Understand and employ different file types for specific applications. I, IV

E. Understand networking functions to move data. I, II, IV

F. Understand "cross platform" integration and file conversion technology. I, IV

*Roman numerals after course objectives reference goals of the VPT program.

III. Instructional Processes*

Students will:

1. View videotapes which illustrate the internal hardware of a desktop computing system and participate in classroom discussions about what they have observed. Communication Outcome, Technological Literacy Outcome, Active Learning Strategy, Transitional Strategy

2. Be assigned to a workstation and negotiate through the operating system software by following the instructor’s demonstrations. Communication Outcome, Technological Literacy Outcome

3. Participate in discussions about production related processes that can be enhanced by the utilization of computer usage. Communication Outcome, Active Learning Strategy, Transitional Strategy

4. Internalize a work ethic appropriate to the field of production by regularly attending class, being punctual and dependable, and focus on developing teamwork skills. Communication Outcome, Transitional Strategy

*Strategies and outcomes listed after instructional processes reference Pellissippi State’s goals for strengthening general education knowledge and skills, connecting coursework to experiences beyond the classroom, and
encouraging students to take active and responsible roles in the educational process.

IV. Expectations for Student Performance*:

Upon successful completion of this course, the student should be able to:

1. Demonstrate an understanding of computer specific terminology by using the terminology in class discussions and written tests. A,D
2. Boot up a CPU, launch its operating system. A
3. Launch several VPT specific applications and perform basic operations therein. B
4. Use a digital video application to capture and edit simple visual sequences. A,C,D
5. Utilize an interactive CD-ROM to develop skills necessary to negotiate interactive media. C,D
6. Use a digital audio application to create, import, manipulate (digitally process) and edit sound files. C,D,F
7. Use word processing software to transcribe written script material. A,F
8. Use digital image processing software to manipulate a photographic image. A,D,F
9. Use network technology to move files from one computer to another. E
10. Observe demonstrations of specific applications and how to negotiate through the software. A
11. Utilize specific applications to capture and edit digital video and audio, manipulate digital images. A,D

*Letters after performance expectations reference the course objectives listed above.

V. Evaluation:

A. Testing Procedures: 30% of grade
Students will be given several "hands on" in class proficiency assignments in which they will demonstrate their understanding of how to use computer functions and applications. Several comprehensive written tests will be given including a midterm and final. The tests to include
- computer specific terminology
- computer applications in the production environment
- different types of file formats that are specific to the applications used in the production environment
- hardware and peripherals necessary for desktop video

B. Laboratory Expectations: 50% of grade
Participation in class discussions and activities will be extremely important if the student is to keep up in this class. For that reason, 10% of the grade will depend on the students in class participation.

C. Homework: 10% of grade
Home work assignment requires you to export, compress and email.

I. Policies:

A. Attendance Policy:

Pellissippi State Technical Community College expects students to attend all scheduled
instructional activities. As a minimum, students in all courses must be present for at least 75 percent of their scheduled class and laboratory meetings in order to receive credit for the course (Pellissippi State Catalog). Individual departments/programs/disciplines, with the approval of the vice president of Academic and Student Affairs, may have requirements that are more stringent.

VPT Program:

The VPT program believes a more stringent requirement is realistic because of the contractual commitment made by the College with local area employers. Therefore, to successfully complete VPT courses, students must attend at least 85% of classes. To be considered “in attendance,” students are expected to be in class at the scheduled starting time for that class. Students will be considered “tardy” from that time until 10 minutes after the scheduled starting time. Three such “tardies” shall constitute an “absence.” Students arriving any time after 10 minutes beyond the scheduled time for a class will be considered “absent.”

B. Academic Dishonesty:

In keeping with college-wide policies, the student is expected to adhere to the general rules and regulations relevant to academic and classroom misconduct as outlined in the catalog.

C. Accommodations for disabilities

If you need accommodations because of a disability, if you have emergency medical information to share, or if you need special arrangements in case the building must be evacuated, please inform the instructor immediately. Please see the instructor privately after class or in his/her office. Students must present a current accommodation plan from a staff member in Services with Disabilities (SSWD) in order to receive accommodations in this course. Services for Students with Disabilities may contact by going to Goins 127 or 131 or by phone 694-6751(Voice/TTY) or 539-7153.

D. Other Policies:

Any act of misuse, vandalism, malicious or unwarranted damage or destruction, defacing, disfiguring, or unauthorized use of property/equipment belonging to Pellissippi State is subject to disciplinary sanction.