PELLISSIPPI STATE TECHNICAL COMMUNITY COLLEGE
MASTER SYLLABUS

TECHNICAL VIDEO PRODUCTION II
VPT 1300

Class Hours: 4.0      Credit Hours: 3.0
Laboratory Hours: 0.0   Date Revised: Spring
                      02

Catalog Course Description:
A combined lecture and studio course focusing on understanding lighting, audio, basic directing and producing skills, waveform monitor and vectorscope interpretation, principles of videotape. A functional lab will be included as a component of the course.

Entry Level Standards:
Basic familiarity with most commonly used video production and post-production technology and processes.

Prerequisite:
VPT 1100

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

Additional media: Zettl, CD-ROM, “Video Lab 2.1”
Assignments will also be made from Cybercollege. The Cybercollege curriculum can be found on the Web at [http://www.cybercollege.com](http://www.cybercollege.com)
Additional materials required for this course:
Each student should have a supply of computer disks formatted for PC. It is also recommended that students be prepared to purchase blank videotape for use in class. This requirement will be discussed at the beginning of class.

I. Week/Unit/Topic Basis:

<table>
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<tr>
<th>Week</th>
<th>Topic</th>
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<tr>
<td>1</td>
<td>Lecture/Lab - VPT 1100 Review – the camera, audio equipment, camera mounting equipment, portable and studio lighting and grip equipment. Proper checkout procedures. How to take Cybercollege tests and forward them to instructor. Begin discussion on lighting techniques. Remember: ONLY 100% correct test results will be accepted. Do NOT e-mail results until you have answered all questions correctly!</td>
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<tr>
<td>2</td>
<td>Lighting / TV. Using a light meter and/or waveform monitor to evaluate scene lighting.</td>
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<tr>
<td>3</td>
<td>Using the Grass Valley 200 switcher, Panasonic 865 Digital studio cameras, Yamaha</td>
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audio mixer and other studio equipment. Producing in the studio – three ways to get
the job done. Multiple camera, live-to-tape recording, film style, ISO/multiple ISO -
the nuts and bolts.

4 Studio positions; Producer, Director, Technical Director (TD), Director of
Photography (DP), Camera Operator, Floor Director, Audio Control, Tape Operator,
Graphics Systems Operator. Switcher F/X.

5 Switcher F/X, graphics systems and graphic design. Live-to-tape production of script.

6 Complete studio production and/or field trip or guest speaker.

7 Review for Midterm exam. Video recording and storage systems.

8 Midterm examination

9 Cuts only linear editing with the Sony U-matic ¾” RM-400 editor and the JVC 870
S-VHS systems.

10 More editing; shoot material for packages for Project #2 and write wraparounds.

11 Studio Production Project #2. Rehearse day 1. Shoot day 2.

12 Producing (also we may use a day to complete production #2 if necessary). Production
forms and other planning tools.

13 Directing

14 Complete assignments

15 Review for final Exam

16 Final Exam

II. Course Objectives*:

A. Demonstrate ability to set up and operate equipment commonly used for video and audio
recording and editing. I, IV

B. Exhibit appropriate responsibility in the care and handling of equipment, facilities and other
physical resources. I, IV, V

C. Employ industry established pre-production, production and post-production control
procedures. II, III

D. Employ procedures, practices, and test equipment that is required to maintain consistent and
acceptable video and audio signal quality as established by the Society of Motion Picture
and Television Engineers (SMPTE). I, III, IV

E. Develop a basic understanding of how to create and arrange motion picture images and
sound employing conventions established by the television and film industry to create
compelling presentations. III

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

III. Instructional Processes*:
Students will:

1. Use appropriate technology to function within the discipline. *Technological Literacy Outcome, Active Learning Strategy*

2. Use critical thinking skills to interpret, evaluate, and make informed judgments. *Problem Solving and Decision Making Outcome*

3. Demonstrate appropriate care for facilities and equipment. *Personal Development Outcome, Transitional Strategy*

4. Apply established industry safety practices and procedures. *Personal Development Outcome, Transitional Strategy*

5. Use industry recognized criteria for organizing audio and visual media to elicit predetermined responses in users. *Communication Outcome*

*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. Assemble and operate a typical broadcast news type video camera, VCR, associated sound equipment, and edit system. A

2. Operate a small format camcorder, multiple mic mixer, associated sound equipment, and control track based small format edit system with edit controller, special effects generator, multiple input audio mixer, character generator and semi-automatic A/B roll capabilities. A

3. Perform basic editing function with a PC based, random access video editing system. A, B

4. Perform basic audio mixing and recording using a multiple input studio mixer and associated audio input and recording equipment. A

5. Demonstrate understanding of and employ established procedures for the responsible care, handling and use of equipment. C

6. Observe and employ correct procedures for checking out equipment, scheduling labs and utilizing equipment which is NOT normally part of the VPT program. C

7. Effectively manage a production by employing established procedures such as, but not limited to, scripting, storyboarding, establishing a production schedule, scheduling equipment, talent and other resources, etc. B

8. Calibrate and utilize a video waveform monitor, vectorscope and underscan/pulse cross monitor to evaluate video signal quality. A

9. Calibrate and utilize a color bar/test signal generator to calibrate and use video recording equipment. A

10. Calibrate and utilize a time base corrector. A

11. Utilize a standard 1000 Hz audio tone generator, to calibrate and use audio recording equipment. A
12. Demonstrate how to safely use auxiliary lighting on location and in the studio. D

13. Demonstrate and employ basic lighting techniques as evaluated from both technical and aesthetic viewpoints. A, E

14. Discuss how basic production elements like photographic composition, edit pacing, graphics design and music can be combined to reinforce a central idea, theme or message. E

15. Identify, describe and employ industry conventions for visual story telling, which constitute the commonly accepted language of "visual literacy". B, E

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

V. Evaluation:

A. Testing Procedures: 50% of grade

   Several quizzes and tests will constitute 50% of the final grade.

B. Laboratory Expectations: 50% of grade

   The student will demonstrate or describe how to use and operate each piece of equipment and participate in the production of programming. Students may not use any equipment without specific instructor certification. Technical proficiency, cooperative attitude and overall quality of productions will constitute 50% of the final grade.

C. Field Work:

   N/A

D. Other Evaluation Methods:

   Peer reviews may be used to augment evaluation.

E. Grading Scale:

   90 – 100    A
   80 – 89     B
   70 – 79     C
   60 – 69     D
   below 60    F

VI. 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 starting 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 outline in the catalog.

C. 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.