

**College of San Mateo**  
**Official Course Outline**

**1. COURSE ID:** DGME 112    **TITLE:** TV Studio Production

**Units:** 3.0 units    **Hours/Semester:** 40.0-45.0 Lecture hours; 24.0-27.0 Lab hours; and 80.0-90.0 Homework hours

**Method of Grading:** Grade Option (Letter Grade or P/NP)

**Recommended Preparation:**

Eligibility for ENGL 838 or ENGL 848

**2. COURSE DESIGNATION:**

**Degree Credit**

**Transfer credit:** CSU

**3. COURSE DESCRIPTIONS:**

**Catalog Description:**

This is a hands-on TV studio production course. Students work together in a team as they are trained to operate a fully equipped professional digital TV studio and control room. Students receive rigorous broadcast training in camera operation, microphone set-up and audio engineering, lighting, floor directing, video switching, directing, and teleprompter operation.

**4. STUDENT LEARNING OUTCOME(S) (SLO'S):**

Upon successful completion of this course, a student will meet the following outcomes:

1. Apply proper camera framing for TV studio interviews.
2. Interpret a studio lighting plot and set lights in accordance with it.
3. Operate a studio camera and perform basic moves such as pan, tilt, zoom, truck and dolly.

**5. SPECIFIC INSTRUCTIONAL OBJECTIVES:**

Upon successful completion of this course, a student will be able to:

1. Apply proper camera framing for TV studio interviews.
2. Interpret a studio lighting plot and set lights in accordance with it.
3. Operate a studio camera and perform basic moves such as pan, tilt, zoom, truck and dolly.

**6. COURSE CONTENT:**

**Lecture Content:**

- Intro to Television Production
  - Overview of the television studio
  - The team approach
  - Four stages of production
- TV Studio Camera and Equipment (SLO 3)
  - Characteristics of the television camera and its system
  - Camera mounting systems
  - Camera Lenses
- Camera Operations (SLO 1 & 3)
  - Commands
  - Working the camera
  - Building the television space
  - Framing the shot
  - Camera composition
- Television Lighting- Equipment and Operations (SLO 2)
  - Objectives of TV studio lighting
  - Studio lighting instruments
  - Three point lighting
  - Special effects lighting
  - Planning the lighting
  - Common lighting situations, problems and tricks
- Television Audio (SLO 4)
  - The nature of sound
  - Types of microphones

- Microphones pickup patterns and frequency response
- Microphone placements
- Audio Control Console
- Audio Equipment used in television
- The video production switcher and special effects (SLO 5)
  - Signal Flow within the switcher
  - Downstream keyer
  - Mix effects buses
  - Use of digital effects

**Lab Content:**

Lab Content

Students will learn TV production hands-on during lab time. They will operate professional studio cameras, lights, video switcher, teleprompter, and audio equipment. Students will rotate from one crew position to another in order to get hands-on experience in each area of production.

Lab time is also used to develop skills in directing and producing.

Lab work focuses on these functions:

1. Camera Operation
2. Lighting and Set Design
3. Audio - mic set up and audio board operation
4. Video Switcher
5. Teleprompter
6. Character Generator/Graphics
7. Directing

**7. REPRESENTATIVE METHODS OF INSTRUCTION:**

Typical methods of instruction may include:

- A. Lecture
- B. Lab
- C. Activity
- D. Critique
- E. Observation and Demonstration
- F. Other (Specify):
  1. Lectures: The instructor provides oral presentation enhanced with video examples, to introduce new material and concepts to the students. One half of the lecture time is done in a standard classroom. This allows the instructor to discuss the overarching television production methods.
  2. Demonstration: The second half of lecture is done in the television studio and is to demonstrate the appropriate use of professional TV studio technologies and discuss each piece of equipment, and each crew position, as a part of a larger system.
  3. Guided critiques: the students will watch and evaluate TV productions as the instructor guides them with questions
  4. Readings will reinforce lecture information and answer questions from the required reading.
  5. Productions: students will apply their learning by working collaboratively on studio-based TV shows Lab time will be completed in DGME studio, where students will apply their learning by demonstrating how each piece of equipment works and serving in all crew positions.

**8. REPRESENTATIVE ASSIGNMENTS**

Representative assignments in this course may include, but are not limited to the following:

**Writing Assignments:**

Students write critiques of studio production projects and determine how the class can improve. They also write a self-evaluation of their own performance and contributions.

**Reading Assignments:**

Readings are online, mostly on cybercollege.com. Handouts are used to supplement online readings.

**Other Outside Assignments:**

Students propose locally-relevant content for the student-produced TV show.

**9. REPRESENTATIVE METHODS OF EVALUATION**

Representative methods of evaluation may include:

- A. Class Participation
- B. Class Work
- C. Exams/Tests
- D. Homework
- E. Lab Activities

F. Oral Presentation

G. Quizzes

H. 1. Quizzes on key concepts in TV studio production 2. Essays on production-related topics 3. Written evaluations/critiques of class productions 4. Oral presentation and participation in class discussions that demonstrate understanding of lessons 5. Hands-on testing includes camera operation, audio recording and engineering, and 3-point lighting 6. Instructor evaluation of skills through in-studio projects and crew position assignments, so a student might not perform well as director, but they might excel at audio engineering.

10. **REPRESENTATIVE TEXT(S):**

Possible textbooks include:

A. Ron Whittaker, Ph.D.. *Television Production: A Free, Interactive Course in Studio and Field Production*, ed. Online Textbook: [http://www.cybercollege.com/tvp\\_ind.htm](http://www.cybercollege.com/tvp_ind.htm), 2015

Other:

A. No printed text will be required. A free, online text has been adopted. It has been continually updated since it began in 1996.

B. <http://www.cybercollege.com/copyright.htm>: No permission is necessary for any type of public, government, or nonprofit school to use these materials directly from the Internet. No permission is necessary for a public, government, or nonprofit school to link directly to an index or any complete page.

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**Course Originator:** Michelle Brown