

**COURSE OUTLINE**

**Course:** 72676 STAGE DESIGN & TECHNOLOGY

**Total Course Hours:** 720.00

**CBEDS Title:** STAGE DESIGN AND TECHNOLOGY

**CBEDS #:** 5527

**Job Title(s):**

**Prerequisites:**

16 years old or a junior in high school

**Course Description:**

This three level course is designed to provide students with the skills, knowledge and attitude to work backstage on theatrical productions or other live entertainment events. Develop planning and organizational skills necessary to work behind the scenes (including theatrical lighting, stage management and sound reinforcement). Learn the terminology used in the business. Learn reliability, responsibility, and the ability to work independently and as a team player to create "magic" on stage. Course meets University of California A-G requirement. Integrated throughout the course are Academic and CTE standards, which include safety, communication, technology, ethics, career planning and other employability skills.

Hours	
Class	OJT

**Occupational Competencies**

1-7 on the Course Outline are generic to all BVROP courses and include the BVROP Student Outcomes

3.00	
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**1 ORIENTATION**

- A Identifies and discusses course objectives and competencies.
- B Discusses ROP Student Outcomes.
- C Explains class attendance and behavior objectives.

3.00	5.00
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**2 HEALTH, SAFETY AND ENVIRONMENTAL MANAGEMENT**

- A Describes accident procedure.
- B Demonstrates appropriate safety practices (e.g. bending, lifting, etc.).
- C Demonstrates knowledge of classroom procedures and drills (e.g. earthquake, fire and emergency).
- D Wears appropriate clothes and shoes.
- E Demonstrates proper procedures while using power tools.

3.00	5.00
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**3 ETHICS AND LEGAL RESPONSIBILITIES**

- A Defines sexual harassment and discusses tactics for handling harassment situations.
- B Applies appropriate workplace behavior and standards.

3.00	20.00
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**4 LEADERSHIP AND TEAMWORK**

- A Describes the characteristics and benefits of teamwork and leadership.
- B Demonstrates ability to make appropriate decisions.
- C Works well with others and gives/takes constructive criticism.

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15.00	5.00	<b>5 <u>CAREER PLANNING</u></b> <b>A</b> Prepares a finished, professional portfolio showing the best work that has been completed during the class. <b>B</b> Locates job opportunities through the use of want-ads and placement agencies. <b>C</b> Visits at least one facility related to area of training and observes jobs performed. <b>D</b> Completes a job application correctly. <b>E</b> Prepares for and critiques a simulated employment interview. <b>F</b> Discusses employee benefits and rights as related to the specific occupational job area including gender equity and equal opportunity. <b>G</b> Identifies acceptable procedures to leave a job. <b>H</b> Applies for a scholarship. <b>I</b> Completes a professional resume. <b>J</b> Demonstrates appropriate personal grooming and dress.
3.00	10.00	<b>6 <u>COMMUNICATION</u></b> <b>A</b> Uses effective workplace conversation. <b>B</b> Reads and interprets written information and directions. <b>C</b> Practices various forms of written communication appropriate to the occupation. <b>D</b> Develops a vocabulary related to workplace activities.
5.00	5.00	<b>7 <u>STUDENT OUTCOMES</u></b> <b>A</b> Demonstrates Occupational Specific, Communication and Critical Thinking Skills <b>B</b> Demonstrates Responsible Work Ethics <b>C</b> Demonstrates Career/Employment Literacy <b>D</b> Demonstrates Effective Use of Technology
15.00	10.00	<b>8 <u>INTRODUCTION AND FACILITY SAFETY PROCEDURES</u></b> <b>A</b> Completes a facility tour. <b>B</b> Discusses auditorium and theatre use in a commercial environment. <b>C</b> Demonstrates mental attitude toward working in a performance facility. <b>D</b> Demonstrates shop safety rules. <b>E</b> Identifies potential electrical and equipment hazards in the theater.
10.00	15.00	<b>9 <u>THEATRE PERSONNEL</u></b> <b>A</b> Demonstrates a general understanding of front of house and technical personnel. <b>B</b> Defines the job functions of the stage production staff. <b>C</b> Observes and assists a stage production staff member during live performances.
10.00	15.00	<b>10 <u>TYPES OF THEATERS AND THEATRE MANAGERS</u></b> <b>A</b> Compares types of theaters (not for profit and commercial organizations). <b>B</b> Identifies management opportunities to types of theater venues. <b>C</b> Visits another performance venue and reports on its operation.
15.00	20.00	<b>11 <u>FRONT OF HOUSE</u></b> <b>A</b> Discusses the role of front of house. <b>B</b> Lists how an audience is built and maintained. <b>C</b> Provides an example of marketing and promotion of an event. <b>D</b> Creates an example of marketing and promotion of an event. <b>E</b> Observes and assists in a front of house job function during a live performance.
10.00	10.00	<b>12 <u>PRODUCTION BUDGETS</u></b> <b>A</b> Identifies operating costs (plant and personnel). <b>B</b> Lists material expense and technical labor by production element. <b>C</b> Creates a production budget.

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10.00	15.00	<p><b>13 <u>READING A PLAY</u></b></p> <p>A Discuss the process of script reading.</p> <p>B Identifies the technical requirements within a script.</p> <p>C Discuss a directors ground plan.</p> <p>E Read a play and submit a list of props, entrance and escape requirements, special effect requirements, lighting requirements and ground plan plot requirements.</p>
20.00	20.00	<p><b>14 <u>PRINCIPLES OF PRODUCTION STAGE MANAGEMENT</u></b></p> <p>A Describes the characteristics of a good stage manager.</p> <p>B Develop a master schedule for a show.</p> <p>C Create a prompt book for a show.</p> <p>D Explain how to make things run smoothly back stage.</p> <p>E Demonstrate a working knowledge of a performance venue in various areas.</p>
10.00	30.00	<p><b>15 <u>STAGECRAFT AND STAGE HAND PRACTICES</u></b></p> <p>A Writes a pre-production plan.</p> <p>B Performs proper set-up and breakdown procedures.</p> <p>C Assist in event set-up and breakdown.</p> <p>D Assist in set construction and scenic painting.</p> <p>E Assist in lighting hang and focus.</p> <p>G Assist in audio set-up and breakdown.</p>
40.00	35.00	<p><b>16 <u>STAGECRAFT AND CONSTRUCTION METHODS</u></b></p> <p>A Identifies types of scenery.</p> <p>B Identifies types of stages.</p> <p>C Identifies types of architecture used in scenery.</p> <p>D Assists in set construction.</p> <p>E Demonstrates basic math skills.</p> <p>F Discusses cartooning.</p> <p>G Identifies types of tools for set construction.</p> <p>H Identifies materials used in set construction.</p> <p>I Identifies theatrical hardware.</p> <p>J Identifies stage rigging.</p> <p>K Identifies and practices basic theatrical knots.</p>
40.00	35.00	<p><b>17 <u>APPLICATIONS OF LIGHTING</u></b></p> <p>A Identifies color theory and demonstrates the difference between warm and cool.</p> <p>B Identifies electrical devices and proper use.</p> <p>C Dimming, distribution and patching circuits, and proper use.</p> <p>D Identifies theatrical instruments, lighting controls and proper use.</p>
20.00	20.00	<p><b>18 <u>APPLICATIONS OF SOUND REINFORCEMENT</u></b></p> <p>A Identifies and operates proper signal path.</p> <p>B Identifies and operates amplifiers, speakers and mixers.</p> <p>C Identifies and operates graphic equalizers, limiters and gates.</p> <p>D Identifies and operates microphones.</p> <p>F Identifies and operates effect units.</p>
10.00	10.00	<p><b>19 <u>BASICS OF PERFORMANCE SPACE DESIGN</u></b></p> <p>A States what it takes to create a performance space.</p> <p>B Designs and plans a stage space, audience space and the support spaces.</p> <p>C Explains other theatrical media (i.e. motion pictures, television) as a form of space.</p> <p>D Creates a ground plan.</p>

Hours	
Class	OJT

20.00	30.00
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**20 PLAY PRODUCTION**

- A Discusses process of script reading.
- B Reviews technical requirements and ground plan.
- C Discusses mood and atmosphere with a technical director.
- D Creates a picture portfolio based on the following: prop and set pieces, costuming, special FX and lighting, draw 1/4-inch scale ground plan for production.

30.00	40.00
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**21 THEORY AND APPLICATIONS IN LIGHTING DESIGN**

- A Understands lighting theory (McCandles)
- B Understands color theory.
- C Understands basic photometrics.
- D Creates a cue sheet, magic sheet and dimmer schedule.
- E Draws a hanging plot.

30.00	40.00
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**22 ELEMENTS OF SCENE DESIGN**

- A Understands functions of design.
- B Understands principles of design.
- C Understands basic design elements.
- D Understands types of sets and mechanical devices.
- E Creates a theatrical design and gives oral presentation relating to the design and design process. Build a model or drawing to illustrate the design.

**TOTAL HOURS**

Class	OJT	Course
325.00	395.00	720.00