

## I. CATALOG INFORMATION

- A. Discipline: TECHNICAL THEATRE
- B. Subject Code and Number: TTHA M902
- C. Course Title: Applied Technology for Theatrical Audio Production

- D. Credit Course units:

Units: \_\_\_\_\_

Lecture Hours per week: 0

Lab Hours per week : 6 – 9

Variable Units : No

- E. Student Learning Hours:

Lecture Hours:

Classroom hours: 0 - 0

Laboratory/Activity Hours:

Laboratory/Activity Hours 105 - 157.5

**Total Combined Hours** in a 17.5 week term: 105 - 157.5

- F. Non-Credit Course hours per week \_\_\_\_\_

- G. May be taken a total of: ☐ 1 ☐ 2 ☐ 3 ☐ 4 time(s) for credit

- H. Is the course co-designated (same as) another course: No ☒ Yes ☐  
If YES, designate course Subject Code & Number: \_\_\_\_\_

- I. Course Description:

Offers practical experience in theatrical audio production. Covers design, creating, recording and mixing audio effects, running cabling for microphones and speakers, and operating multi-channel audio boards during a live production.

- J. Entrance Skills

\*Prerequisite: No ☒ Yes ☐ Course(s)

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\*Corequisite: No ☒ Yes ☐ Course(s)

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Limitation on Enrollment: No ☒ Yes ☐

\_\_\_\_\_

Recommended Preparation: No ☐ Yes ☒ Course(s)

FTVM M40

Other: No ☒ Yes ☐

\_\_\_\_\_

K. Other Catalog Information:

II. COURSE OBJECTIVES

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

		<b>Methods of evaluation will be consistent with, but not limited by, the following types or examples.</b>
1	analyze and implement an audio cue list and design through the creation, recording and mixing of audio effects, cabling microphones and speakers and operating digital and analogue technologies.	Quizzes and/or practical application of learned skills
2	evaluate inoperable audio technologies to diagnose malfunction and initiate repair.	Quizzes and/or practical application of learned skills
3	program audio cues into a digital or analogue multi-channel control board that integrates pre-constructed audio cues, live musical instruments and/or wired or wireless microphones.	Quizzes and/or practical application of learned skills
4	operate an audio control board during a live performance.	Quizzes and/or practical application of learned skills

III. COURSE CONTENT

Estimated %	Topic	Learning Outcomes
<b>Lecture</b> (must total 100%)		
<b>Lab</b> (must total 100%)		
33.00%	Creating Audio Effects for Production <ul style="list-style-type: none"><li>- Working with pre-recorded audio files</li><li>- Creating musical, sound and/or effects files</li><li>- Mixing multiple audio effect files</li><li>- Signal processing with Protools or other audio software</li></ul>	1, 3
12.00%	Troubleshooting Equipment <ul style="list-style-type: none"><li>- Checking cabling</li><li>- Input and outputs</li><li>- Wired and wireless microphones</li><li>- Speakers and headphones</li><li>- Multi-channel digital and analogue control boards</li></ul>	2
30.00%	Pre-production <ul style="list-style-type: none"><li>- Generating cue sheets</li><li>- Generating audio plot</li><li>- Running cable</li><li>- Setting up speakers/monitors</li><li>- Generating multi-track cues</li><li>- Programing audio boards</li></ul>	1, 3
	Operate Digital and/or Analogue Audio Boards for Live Production <ul style="list-style-type: none"><li>- Mainstage production</li></ul>	

25.00%	- Blackbox production - Environmental venue - Music/Dance performances	4
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#### IV. TYPICAL ASSIGNMENTS

##### A. Writing assignments

Writing assignments are required. Possible assignments may include, but are not limited to:	
1	writing a cue sheet that incorporates both recorded and live effects.
2	creating an audio plot that details equipment requirements and channel allocation.

##### B. Appropriate outside assignments

Appropriate outside assignments are required. Possible assignments may include, but are not limited to:	
1	attend a musical theatre performance that utilizes multiple wireless microphones.
2	participate in field trips visiting professional performance venues to examine complex audio set-ups and observe industry standards.

##### C. Critical thinking assignments

Critical thinking assignments are required. Possible assignments may include, but are not limited to:	
1	determining the maximum channel capacities on multi-channel mixing boards.
2	mixing complex audio effects that incorporate music and/or original or pre-recorded effects.

#### V. METHODS OF INSTRUCTION

Methods of instruction may include, but are not limited to:

- ☐ Distance Education – When any portion of class contact hours is replaced by distance education delivery mode (Complete DE Addendum, Section XV)
- ☐ Lecture/Discussion
- ☒ Laboratory/Activity
- ☒ Other (Specify)  
Setting up and running the microphones and monitors for a live performance.
- ☒ Optional Field Trips
- ☐ Required Field Trips

#### VI. METHODS OF EVALUATION

Methods of evaluation may include, but are not limited to:

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> Essay Exam                      | <input checked="" type="checkbox"/> Classroom Discussion | <input checked="" type="checkbox"/> Skill Demonstration |
| <input checked="" type="checkbox"/> Problem Solving Exam | <input type="checkbox"/> Reports/Papers/Journals         | <input checked="" type="checkbox"/> Participation       |
| <input type="checkbox"/> Objective Exams                 | <input checked="" type="checkbox"/> Projects             | <input checked="" type="checkbox"/> Other (specify)     |

Diagnosing and/or repairing damaged equipment.

**VII. REPRESENTATIVE TEXTS AND OTHER COURSE MATERIALS**

Corey, Jason. Audio Production and Critical Listening: Technical Ear Training. 2nd ed. Focal, 2016.

Stark, Scott Hunter. Live Sound Reinforcement. Artistpro, 2004.

Gibson, Bill. The Ultimate Live Sound Operator's Handbook. 2nd ed. Hal Leonard, 2011.

**VIII. STUDENT MATERIALS FEES**

☒ No ☐ Yes

**IX. PARALLEL COURSES**

College	Course Number	Course Title	Units
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**X. MINIMUM QUALIFICATIONS**

**Non-Credit Course:**  
Any bachelor's degree and two years of professional experience, or any associate degree and six years of professional experience.

**XI. ARTICULATION INFORMATION**

- A. Title V Course Classification:

1. This course is designed to be taken either:

☒ Pass/No Pass only (no letter grade possible); or  
☐ Letter grade (P/NP possible at student option)

2. Degree status:

Either ☐ Associate Degree Applicable; or ☒ Non-associate Degree Applicable

B. Moorpark College General Education:

1. Do you recommend this course for inclusion on the Associate Degree General Education list?

Yes: ☐ No: ☒ If YES, what section(s)?

☐ A1 - Natural Sciences - Biological Science  
☐ A2 - Natural Sciences - Physical Science  
☐ B1 - Social and Behavioral Sciences - American History/Institutions  
☐ B2 - Social and Behavioral Sciences - Other Social Behavioral Science  
☐ C1 - Humanities - Fine or Performing Arts  
☐ C2 - Humanities - Other Humanities  
☐ D1 - Language and Rationality - English Composition  
☐ D2 - Language and Rationality - Communication and Analytical Thinking  
☐ E1 - Health/Physical Education  
☐
- file:///E:/Courses/TTHA%20M902%205007%20(New%20Course,%20Fall%202018).htm[4/23/2019 4:11:32 PM]

- ☐ E2 - PE or Dance  
☐ F - Ethnic/Gender Studies

C. California State University(CSU) Articulation:

1. Do you recommend this course for transfer credit to CSU? Yes: ☐ No:

☒ X

2. If YES do you recommend this course for inclusion on the CSU General Education list?

Yes: ☐ No: ☒ X If YES, which area(s)?

A1 ☐ A2 ☐ A3 ☐ B1 ☐ B2 ☐ B3 ☐ B4 ☐  
C1 ☐ C2 ☐ D1 ☐ D2 ☐ D3 ☐ D4 ☐ D5  
☐  
D6 ☐ D7 ☐ D8 ☐ D9 ☐ D10 ☐ E ☐

D. University of California (UC) Articulation:

1. Do you recommend this course for transfer to the UC? Yes: ☐ No: ☒ X

2. If YES do you recommend this course for the Intersegmental General Education Transfer Curriculum (IGETC)? Yes: ☐ No: ☒ X

IGETC Area 1: English Communication

- ☐ English Composition  
☐ Critical Thinking-English Composition  
☐ Oral Communication

IGETC Area 2: Mathematical Concepts and Quantitative Reasoning

- ☐ Mathematical Concepts

IGETC Area 3: Arts and Humanities

- ☐ Arts  
☐ Humanities

IGETC Area 4: Social and Behavioral Sciences

- ☐ Anthropology and Archaeology  
☐ Economics  
☐ Ethnic Studies  
☐ Gender Studies  
☐ Geography  
☐ History  
☐ Interdisciplinary, Social & Behavioral Sciences  
☐ Political Science, Government & Legal Institutions  
☐ Psychology  
☐ Sociology & Criminology

IGETC Area 5: Physical and Biological Sciences (mark all that apply)

- ☐ Physical Science Lab or Physical Science Lab only (non-sequence)
- ☐ Physical Science Lecture only (non-sequence)
- ☐ Biological Science
- ☐ Physical Science Courses
- ☐ Physical Science Lab or Biological Science Lab Only (non-sequence)
- ☐ Biological Science Courses
- ☐ Biological Science Lab course
- ☐ First Science course in a Special sequence
- ☐ Second Science course in a Special Sequence
- ☐ Laboratory Activity
- ☐ Physical Sciences

IGETC Area 6: Language other than English

- ☐ Languages other than English (UC Requirement Only)
- ☐ U.S. History, Constitution, and American Ideals (CSU Requirement ONLY)
- ☐ U.S. History, Constitution, and American Ideals (CSU Requirement ONLY)

**XII. REVIEW OF LIBRARY RESOURCES**

- A. What planned assignment(s) will require library resources and use?

The following assignments require library resources:

Possible research, using the Library's print and online resources, on technical reviews of musical theatre performances.

- B. Are the currently held library resources sufficient to support the course assignment?

YES: ☒ NO: ☐

If NO, please list additional library resources needed to support this course.

**XIII. PREREQUISITE AND/OR COREQUISITE JUSTIFICATION**

TTHA M902: Not Applicable

**XIV. WORKPLACE PREPARATION**

Required for career technical courses only. A career technical course/program is one with the primary goal to prepare students for employment immediately upon course/program completion, and/or upgrading employment skills.

Detail how the course meets the Secretary of Labors Commission on the Achievement of Necessary Skills (SCANS) areas. (For a description of the competencies and skills with a listing of what students should be able to do, go to:

<http://www.ncrel.org/sdrs/areas/issues/methods/assment/as7scans.htm>)

The course will address the SCANS competency areas:

1. Resources: the students will determine the cabling, microphone and monitor requirements required for a given project or performance.
2. Interpersonal: the students will interface with designers, directors and/or running crews during a live production.
3. Information: the students will generate cue sheets and/or provide direction to crews or peers.
4. Systems: the students will integrate the audio components into a fully realized theatrical production.
5. Technology: the students will utilize digital and analogue audio technologies in the production of a performance.

The course also addresses the SCANS skills and personal qualities:

1. Basic Skills: the students will read audio cue sheets and deliver completed cues with detailed written explanations.
2. Thinking Skills: the students will determine the most practical and efficient practices for running and securing cabling for audio production.
3. Personal Qualities: the students will routinely interact with peers, crews, performers and directors in the process of supplying audio support on a given production.

#### **XV. DISTANCE LEARNING COURSE OUTLINE ADDENDUM**

TTHA M902: Not Applicable

#### **XVI. GENERAL EDUCATION COURSE OUTLINE ADDENDUM**

TTHA M902: Not Applicable

#### **XVII. STUDENT MATERIALS FEE ADDENDUM**

TTHA M902: Not Applicable

#### **XVIII. REPEATABILITY JUSTIFICATION TITLE 5, SECTION 55041**

Please check all that apply:

- ☐ 1. This is a course in which the **content differs** each time the course is offered. For the course in which the content may change significantly after a period of time, there must be a mechanism for ensuring that when a student wants to re-enroll, the content is different from the last time the student took the course. Indicate in the course description the circumstances that would permit repetition.
- ☒ 2. This is an **activity course** where the student meets course objectives by repeating a similar primary educational activity and the student gains an expanded educational experience each time the course is repeated for the following reasons:
- ☒ Skills or proficiencies are enhanced by supervised repetition and practice within class periods; or
- ☐ Active participatory experience in individual study for group

assignments is the basic means by which learning objectives are obtained.

**NOTE:** Foreign language courses, for-credit ESL courses, and non-degree-applicable basic skills courses are NOT considered activity courses and therefore cannot be repeated.

- ☐ 3. This is a **physical education activity course**.

**NOTE:** Activity courses which involve the same primary educational activity (e.g., golf) or different levels of the same activity (e.g., beginning and intermediate golf), must combine all enrollments across all of these similar courses for purposes of the four enrollment repeatability limitation. In other words, a student may not enroll in beginning and intermediate golf four times each, but may enroll in these golf courses for a total of four times.

- ☒ 4. This is a **visual or performing arts courses** in music, fine arts, theater or dance.

**NOTE:** An exception is made for activity courses in the visual and performing arts in the same area (e.g., piano) that are a part of a transfer sequence (documentation maybe required). Students may repeat each level of each course (e.g., Piano 1, 2 and 3) up to three times for a total of four enrollments in each course.

## **XIX. CURRICULUM APPROVAL**

Course Information:

Discipline: TECHNICAL THEATRE

Discipline Code and Number: TTHA M902

Course Revision Category: New Course

Course Proposed By:

Originating Faculty John Loprieno 02/20/2017

Faculty Peer: Brian Koehler 02/20/2017

Curriculum Rep: Candice Larson 02/23/2017

Department Chair: John Loprieno 02/20/2017

Division Dean: Helga Winkler 02/21/2017

Approved By:

Curriculum Chair: Jerry Mansfield 04/09/2017

Executive Vice President: \_\_\_\_\_

Articulation Officer: \_\_\_\_\_

Librarian: Mary LaBarge 03/02/2017

Implementation Term and Year: Fall 2018



Approval Dates:

Approved by Moorpark College Curriculum Committee: 04/04/2017

Approved by Board of Trustees (if applicable): 05/09/2017

Approved by State (if applicable): 04/13/2018