## I. CATALOG INFORMATION

A. Discipline: TECHNICAL THEATRE

B. Subject Code and Number: TTHA M901

C. Course Title: Applied Technology for Theatrical Lighting

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 lighting. Covers design, hanging and focusing of instruments, programming lighting cues and executing cues during a live performance.

J. Entrance Skills

*Prerequisite: No ☒ Yes ☐ Course(s)

_____

*Corequisite: No ☒ Yes ☐ Course(s)

_____

Limitation on Enrollment: No ☒ Yes ☐

_____

Recommended Preparation: No ☐ Yes ☒ Course(s)
THA M20

Other: No ☒ Yes ☐

_____

K. Other Catalog Information:

## II. COURSE OBJECTIVES

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

| | | **Methods of evaluation will be consistent with, but not limited by, the following types or examples.** |
|---|---|---|
| 1 | analyze and implement a lighting plot through the hanging and focusing of appropriate lighting instruments and technologies. | Quizzes and/or practical application of learned skills |
| 2 | evaluate inoperable lighting technologies to diagnose malfunction and initiate repair. | Quizzes and/or practical application of learned skills |
| 3 | program lighting cues into a lighting control board that integrates incandescent, light-emitting diode (LED) and/or movable lighting instruments. | Quizzes and/or practical application of learned skills |
| 4 | operate a lighting control board during a live performance. | Quizzes and/or practical application of learned skills |

## III. COURSE CONTENT

| **Estimated %** | **Topic** | **Learning Outcomes** |
|---|---|---|
| **Lecture** (must total 100%) | | |
| **Lab** (must total 100%) | | |
| 20.00% | Understanding a Light Plot:<br>- Creating and instrument schedule<br>- Navigating the suspension grid<br>- Circuiting requirements<br>- Color media schedule | 1, 2, 4 |
| 20.00% | Lighting Components:<br>- Electrical Theory and practices<br>- Lighting instruments: incandescent, LED, strip and movable fixtures<br>- Lighting control boards<br>- Special effects | 1, 2, 3, 4 |
| 20.00% | Pre-Production<br>- Hanging lighting equipment as determined by a lighting plot<br>- Focusing lighting equipment for a production<br>- Circuiting lighting equipment observing safety protocols<br>- Participate on or lead crews in hanging, focusing and circuiting of lighting equipment | 1, 2, 3 |
| 20.00% | Program Lighting Control Boards<br>- Standard incandescent light<br>- LED<br>- Multi-colored strip lighting | 3, 4 |

| | | |
|---|---|---|
| | - Movable lights<br>- Special effects – fogger, hazer, strobe lighting, etc. | |
| 20.00% | Operate the Light Board for Live Production<br>- Mainstage production<br>- Blackbox production<br>- Environmental venue<br>- Music/Dance performances | 3, 4 |

## IV. TYPICAL ASSIGNMENTS

### A. Writing assignments

| Writing assignments are required. Possible assignments may include, but are not limited to: | |
|---|---|
| 1 | written instrument schedules and cue sheets for a theatrical production. |

### B. Appropriate outside assignments

| Appropriate outside assignments are required. Possible assignments may include, but are not limited to: | |
|---|---|
| 1 | attendance of an outside production and evaluate the overall effectiveness of the lighting design. |

### C. Critical thinking assignments

| Critical thinking assignments are required. Possible assignments may include, but are not limited to: | |
|---|---|
| 1 | determining the number and lengths of cables necessary to execute a lighting plot for a theatrical production. |

## 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)
- [x] Lecture/Discussion
- [x] Laboratory/Activity
- [x] Other (Specify) Practical application of skills in a production environment
- [x] Optional Field Trips
- [ ] Required Field Trips

## VI. METHODS OF EVALUATION

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

- [ ] Essay Exam
- [ ] Classroom Discussion
- [x] Skill Demonstration
- [x] Problem Solving Exam
- [ ] Reports/Papers/ Journals
- [x] Participation
- [ ] Objective Exams
- [x] Projects
- [x] Other (specify)

Execution of lighting plot in a production for a live audience.

## VII. REPRESENTATIVE TEXTS AND OTHER COURSE MATERIALS

Essig, Linda, and Jennifer Setlow. Lighting and the Design Idea. 3rd ed. Wadsworth, 2012.

Wolf, R. Craig, and Dick Block. Scene Design and Stage Lighting. 10th ed. Wadsworth, 2013.

## VIII. STUDENT MATERIALS FEES

[X] No [ ] Yes

## IX. PARALLEL COURSES

| *College* | *Course Number* | *Course Title* | *Units* |
|---|---|---|---|

## 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:

   [X] 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 [X] 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: [X] 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
   [ ] 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: ☒

2. If YES do you recommend this course for inclusion on the CSU General Education list?
Yes: ☐ No: ☒ 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: ☒

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

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 (none-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, for background information relative to theatrical lighting issues.

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

YES: [X] NO: [ ]

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

## XIII. PREREQUISITE AND/OR COREQUISITE JUSTIFICATION

TTHA M901: 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 color media requirements for a given

production and track usage and replacement.

2. Interpersonal: the students will collaborate with crew members, designers and directors in theatrical production.

3. Information: the students will read and report on lighting instruments that are in disrepair and write assessments on suggested repairs.

4. Systems: the students will integrate lighting instruments into a lighting design and program combinations of lights into specific cues.

5. Technology: the students will hang focus and circuit lighting instruments and operate lighting control boards.

The course also addresses the SCANS skills and personal qualities:

1. Basic Skills: the students will write instrument schedules and calculate the loads required for the available dimmers.

2. Thinking Skills: the students will determine the appropriate lighting instruments and cabling required to hang and focus a lighting plot.

3. Personal Qualities: the students will interact and collaborate with designers, directors and crew members in the course of production.

## XV. DISTANCE LEARNING COURSE OUTLINE ADDENDUM

TTHA M901: Not Applicable

## XVI. GENERAL EDUCATION COURSE OUTLINE ADDENDUM

TTHA M901: Not Applicable

## XVII. STUDENT MATERIALS FEE ADDENDUM

TTHA M901: 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 M901

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: Letrisha Mai 04/20/2017

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