

CATALOG ENTRY

Discipline Theatre Arts

Course Number 166

Course TitleIntermediate ProgrammingFormer TitleProgram & Design Pr

Units1Lecture Hours16Scheduled Laboratory HoursNoneArranged Laboratory Hours (TBA)NoneTotal Semester Contact Hours16

COURSE IDENTIFICATION NUMBER(S) (C-ID)

REQUISITES

Prerequisite

None

Corequisite THEA 166L

Recommended Preparation

None

CATALOG DESCRIPTION

Further development of the control and programming skills used in the entertainment lighting industry. Multiple control consoles will be introduced.

Classification Code Y

Transfer Code B-Transferable to CSU only

SAM Priority Code RepeatabilityC - Occupational
NR - Non-Repeatable

TOPS Code 1006.00 - Technical Theater

Topics Course No Open Entry/Exit No

Grading Options Letter Grade or P/NP

Department Chair Approval Date: 09/23/14 by: Valinda Tivenan

Divison Chair Approval Date: 09/25/14 by: Valinda Tivenan

Curriculum and Instruction Council Chair Approval Date: 11/17/2014 by: Monica Porter

Last Revision Date: 08/26/2014

COURSE OBJECTIVES

- 1. Learn and apply intermediate and advanced programming techniques for automated lighting systems
- 2. Evaluate the programming options available to determine the most effective process for creating lighting looks, cues, and shows
- 3. Become efficient automated lighting programmers
- 4. Preparation for employment in the entertainment lighting industry

COURSE CONTENT

(Include major topics of the course, time required, and what the student is expected to learn.)

1. Lighting control consoles for automated fixtures: Methods and procedures for controlling the setup of a show and varied automated lighting fixtures. 4 lec

Intermediate and advanced programming techniques and skills using the Whole Hog III control console: Fixture libraries, patching, addressing, assigning user numbers, assigning universes and DP's, creating and efficient desk top for control, for a light rig that includes conventionals, color changes, and fully automated luminaries.

Introduction to multiple control consoles as used in the industry. These controllers will vary as technology and manufacturers evolve and dissolve.

2. Problem solving the unexpected occurrences that can arise while programming and controlling fixtures/shows. 2 lec

Trouble shooting- methods and techniques to remedy technical difficulties that occur due to fixture and/or console quirks, inadequacies, or failures.

3. Programming and Design criteria for utilizing automated lighting fixtures for specific design projects within specified time limits.4 lec

Lighting design fundamentals as they relate to the world of automated lighting. Manipulating moving light fixtures/programming techniques to make them either visible or invisible as required by the artistic demands. Develop a sensitivity to the artistry of moving lights as they relate to the rhythm, beats, and mood of varied musical selections.

4. Specific intermediate programming skills to develop: 6 lec

- Multiple Point Fixture Patching
- Comment Macro Protocols
- Advanced Cue List Linking and Execution
- Effect building using multiple cue lists
- Customizing Effects redefining parameters
- Advanced Palette Layout
- Custom Scenes and Views usage
- Assigning reassigning cue lists to different faders
- Cue list Management
- Fixture Patch Modification Theory and Practice
- Complex show cueing
- Introduction to design elements
- How to break down music selections into sections for programming
- Pre planning cueing

COURSE MATERIALS

Required texts and/or materials.(Include price and date of publication.)

Required: Cadena, R.. Automated Lighting, 2 ed. Burlington: Focal Press, 2010, ISBN: 0240812220. \$49.95

Required: High End Systems. Whole Hog III user manual, High End Systems, 02-10-2010

Recommended readings and/or materials:

None

Other:

None

WHAT METHODS WILL BE EMPLOYED TO HELP STUDENTS LEARN?

Class Discussions

Directed Learning Activities

Electronic Delivery

Field Trips

Group Study & Exercises

Guest Speakers

Handouts

Instructor Demonstrations

Lecture

Reading Assignments

Visual Aids

Writing Projects & Reports

WHAT LEARNING ACTIVITIES OR ASSIGNMENTS ARE REQUIRED OUTSIDE OF CLASS?

List activities and hours for each. (Must include reading and writing activities.)

Preparation for written Exam 4 hours
Reading of text book 24 hours
Reading of Equipment Manuals 4 hours

Total 32 hours

STANDARDS OF ACHIEVEMENT

List graded activities.

Written Quizzes 30% Examination 70%

Total 100%

GRADING SCALE

100-90% = A

80-89% = B

70-79% = C

60-69% = D

59-0% = F

How will student learning be assessed? (Multiple measures must be used.)

Quizzes and an examination over the terms, concepts and equipment covered in lectures that will be reviewed in class and assessed by the instructor.

(Additional measures will be incorporated into the lab portion of this 2 part course (THEA 166L) in which programming and practicum assignments will be assessed by the instructor that also include peer evaluations as part of the assessment process.)

	Supplemental Forms
	Supplemental Forms Last Saved
	Approval Dates
(Curriculum and Instruction Council Chair: 11/17/2014

Curriculum and Instruction Council Chair: 11/17/2014 Department Chair: 09/23/2014 Division Dean: 09/26/2014