INTEGRATING THE SCALE LIGHT LAB INTO LIGHTING CURRICULUM

Scale Light Lab: Description and Specifications



• Size

The Grid structure fits on a table that is 7'0" wide by 3'4" deep. Approx 1:6 scale.

• Grid Structure

The Grid is constructed from 1x1 square steel tube.



Control System

Choose a DMX console that fits your course goals and budget. (Colortran Innovator shown.)

• Dimming

4 channel DMX packs (5). Total dimmer channels-20. Total load 2300 watts



Instruments

• Lighting







Visit www.stolaf.edu/nbs/lightlab/handouts for specs, drawings, & handouts

Applied Learning Activities with the Light Lab





Color Choice

 Angle Choice/ Dimensioning

- Intensity/ Visual Focus/ Composition
- Lighting Key Verification
- Cueing



 Control System Setup and Programming

Curriculum Example: B.A. Theater Undergraduate



• Courses

Introduction to Design for Performance level 1 course TH140

1. Virtual light lab project to explore mood,

atmosphere, color, angle. 2. Light lab project- design

for a short music piececolor, angle, intensity, cues, light console intro.



Lighting & Sound Design and Production

level 2 course TH250



1. Light lab project- design for a short music piececolor, angle, intensity, cues, programming.

2. Lightplot and Vectorworks application

3. Final design project: 3-5 minute performance piece in studio theater- color, angle, intensity, cues, programming, operation.



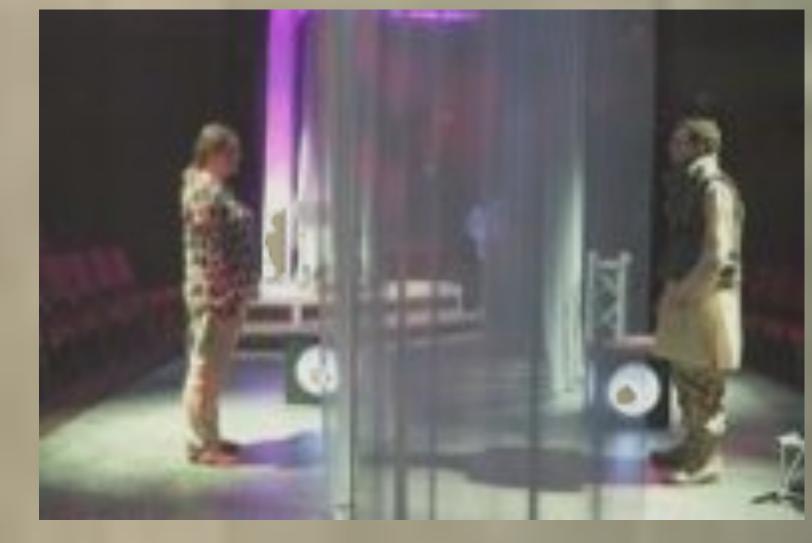
Visit http://www.stolaf.edu/people/bjorklun/Classes/250Examples/250Examples.html for videos of projects

Advanced Design for Performance level 3 course TH352

Apply knowledge and experience to a practical beginning design project. Use light lab as resource- color, angle, lighting key.

• Theater Production Program

Apply for design position on a full scale department production.



Use light lab as resource.



Visit www.stolaf.edu/nbs/lightlab/projects for class project handouts

and Outcomes



• Student Interest and Engagement



- Translation of Experience to a full scale Project
- Accessibility



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