

**Syllabus Spring Semester, 2005**  
**THEA 4480 Technical Solutions to Design Problems in Lighting and Sound Design**  
**University of West Georgia**  
**Thomas Cox**

Class Meeting Time and Location: 9:00-9:50 MWF  
Martha Munro 205  
12

Office information: Room 202C MM  
Office Hours: MWF 10-11/ TR 10-

Instructor Phone Number: 678-839-4702

Scene Shop Phone: 678-839-4709

**REQUIRED TEXTS AND MATERIALS**

1. Portable storage devices such as a zip or thumb drive with at least 100mb of memory.
2. A crescent wrench.
3. At least six CD-R disks.
- 4. *Discovering Stage Lighting*, Francis Reid.**
- 5. *Pro Tools All-in-One Desk Reference for Dummies*, Jeff Strong.**
- 6. Various handouts and worksheets in class.**

**COURSE LEARNING OUTCOMES:**

This course is designed to give the Theatre student hands on technical experience in executing projects in lighting and sound design for the theatre. It is geared toward the Theatre major as they explore advanced topics in these design areas. Upon the completion of this course, the student can reason and think analytically in solving problems and making decisions involving the production or running of a show. Students should be able to work professionally in the above mentioned areas of theatrical design by developing the following skills:

- The creation of a light plan and plot using Vectorworks 10.1.
- A response to natural lighting and its translation to the stage environment
- A detailed understanding of the qualities of light and sound.
- An understanding of the emotional relationships assigned to the audience's audio/visual experience in the theatre.
- The creation of several original sound designs using ProTools editing software.
- A specific and in-depth understanding of lighting and speaker placement.

COURSE POLICIES AND PROCEDURES

This course will require several hours of practical learning in the sound, drafting and acting studios housed in the Martha Munro theatre building. During this time, the students will undergo rigorous training in both sound and lighting design for the theatrical application. Both group and individual projects will be included in this training. Each student will be expected to complete the following assignments:

- **Twelve in-class lighting projects.** These projects will be completed as a group. Each student will serve at least once as the lighting designer, electrician, board operator or actor. Designers will submit a light plot for each assigned project.
- One major light plot and paper work for a production of James Barrie’s Peter Pan.
- Ten sound projects. These projects will be completed individually in and out of class.
- One major sound plot and sample cues for a production of Peter Pan.

Students are strongly encouraged to allow time outside of lecture to work on these projects. DO NOT PUT THESE OFF UNTIL THE LAST MINUTE~!!

GRADING POLICY

Students will be graded on progress, participation in class projects, creative design choices and quality of finished work. The following points will be assigned to each project:

Lighting	
Projects.....	240 (20 points each)
Sound	
Projects.....	250 (25 points each)
Peter	
Pan.....	200

Total Possible Points: 690

ATTENDANCE POLICY

The presence of every student is imperative for the successful completion of the in class projects.

## Preliminary Course Outline

---

### Week One

Monday-----Orientation of Facility/ *Reid Chapter One*  
Wednesday-----*Reid Chapter Two*/Lighting Exercise: Objects and Actors.  
Friday-----Lighting Exercise: Testing and Troubleshooting.

---

### Week Two

Monday-----No Class/MLK Day  
Wednesday----- *Reid Chapter Four and Five.*  
Friday-----Lighting Project One: Covering Smoothly.

---

### Week Three

Monday-----*Strong Book One: Recoding Basics.*  
Wednesday-----The Basics of Sound Recording.  
Friday--- Group One: Lighting Project Two: Selecting Space  
Group Two: Sound Project One:

---

### Week Four

Monday-----Group One: Sound Project One  
Group Two: Lighting Project Two: Selecting Space.  
Wednesday-----*Strong Book Two: Getting Started Using ProTools.*  
Friday --- Group One: Lighting Project Three: Creating Space.  
Group Two: Sound Project Two.

---

### Week Five

Monday-----*Strong Book Three: Recording Audio in ProTools*  
Wednesday Group One: Sound Project Three  
Group Two: Lighting Project Four: Cool, Neutral or Warm?  
Friday Group One: Lighting Project Four: Cool, Neutral or Warm?  
Group Two: Sound Project Three

---

### Week Six

Monday-----*Strong Book Four: Editing Audio*  
Wednesday Group One: Sound Project Four  
Group Two: Lighting Project Five: Atmospheric Space.  
Friday Group One: Lighting Project Five: Atmospheric Space.  
Group Two: Sound Project Four

---

### Week Seven

Monday-----*Strong Book Six: Mixing in ProTools*  
Wednesday Group One: Lighting Project Six: Musical Space  
Group Two: Sound Project Five  
Friday Group One; Sound Project Five  
Group Two: Lighting Project Six: Musical Space

**Week Eight**

Monday	Group One: Lighting Project Seven: The Magic of Gauze! Group Two: Sound Project Six
Wednesday	Continue Projects
Friday	Southeastern Theatre Conference in Greensboro, NC.

---

**Week Nine**

Monday	Group One: Sound Project Six Group Two: Lighting Project Seven: The Magic of Gauze!
Wednesday	Continue Projects
Friday	Group One: Lighting Project Eight: Non Traditional Minimalism Group Two: Sound Project Seven

---

**Week Ten**

Monday	Continue Projects
Wednesday	Group One: Lighting Project Nine: Figaro's Garden Group Two: Sound Project Eight
Friday	Continue Projects

---

**Week Eleven is Spring Break****Week Twelve**

Monday	Group One: Sound Project Nine Group Two: Lighting Project Ten: Macbeth's Witches
Wednesday	Continue Projects
Friday	Group One: Lighting Project Ten: Macbeth's Witches Group Two: Sound Project Nine

---

**Week Thirteen**

Monday	Continue Projects
Wednesday	Group One: Sound Project Ten Group Two: Lighting Project Eleven: Tape and Light
Friday	Complete Projects

---

**Week Fourteen**

Monday	Group One: Final Project Paper work in Drafting Lab. Group Two: Lighting Project Twelve: The 20 Spot Opera House.
Wednesday	Continue work as assigned.
Friday	Continue work as assigned

---

**Week Fifteen**

Monday	Group One: Lighting Project Twelve: The 20 Spot Opera House. Group Two: Final Project Paperwork in Drafting Lab.
Wednesday	Continue work as assigned.
Friday	Continue work as assigned.

---

**Week Sixteen**

Monday	Work on Final Projects in class
Wednesday	“
Friday	“

Presentation of Final Projects will be on Wednesday, May 4<sup>th</sup> at 8:00am.

