

## TH 268.01 Lighting Technology

Fall 2006 MW 11:00 am – 12:50 pm

**Christina Barrigan** Office Hours: Mon. & Wed. 10am – 11am, Tues. 9am – 11am and by appointment  
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### Catalogue/Course Description: TH 268.01 Lighting Technology

Applied study of lighting instruments, lighting accessories, hanging, cabling, focusing, lighting control systems, safety, maintenance and inventory control. Participation in production work is required. Same as DR 269. Students may not receive credit for both.

#### Required Materials:

- **TH 268 Course Pack** Available through the University bookstore
- 8” adjustable crescent wrench
- two screwdrivers – one standard or slot and one Phillips head (please note that multi-tools will not fulfill this requirement).

#### Course Objectives:

- | Course Objectives:  | Assessments:   |
|---|--|
| <ul style="list-style-type: none"><li>• Identify and employ the various tools, fixtures, and accessories frequently used in lighting design.</li></ul>                    | <ul style="list-style-type: none"><li>• The student will be assessed through participation in class activities and exercises.</li></ul>  |
| <ul style="list-style-type: none"><li>• Work effectively as a valuable and productive member of a lighting crew.</li></ul>  | <ul style="list-style-type: none"><li>• Each student will successfully complete a series of hands-on tasks common to the craft of lighting. These tasks will include safety procedures, maintenance and configuration of a lighting rig.</li></ul> |
| <ul style="list-style-type: none"><li>• Read and create paperwork that describes a lighting design and use the information to describe and/or execute a design.</li></ul> | <ul style="list-style-type: none"><li>• The student will demonstrate their knowledge of lighting equipment and processes through their project work and written tests.</li></ul>   |

#### Assessments:



Teacher Certification Standards met in this course can be found at

[http://www.cwu.edu/~theatre/program/undergrad/ed\\_standards.html](http://www.cwu.edu/~theatre/program/undergrad/ed_standards.html)

#### Attendance Policy:

You must participate in all class meetings. To participate, you must be present. You are allowed two (2) unexcused absences in this class. Three (3) absences will drop your grade one (1) whole letter grade. Consequent absences will drop your grade another one-half grade. If you are late, you will be counted absent. If you have class immediately before Lighting Technology on the other side of campus, you must inform me now. If you are absent, it is your responsibility to get the information covered during your absence from another student.

#### Course Requirements

- 1) Late assignments will be accepted and/or tests made up **ONLY** in case of an emergency and if you have made previous arrangements with the professor.
- 2) You must come to class prepared. This means read to listen, participate, and take notes. Prepared is defined as: being ready to fully participate in the activities of the day's class. **Make sure you have something to write with and something to write on!**
- 3) This class has a lab component of 10 hours over the course of the quarter. You must spend 10 hours working with the lighting lab during hang and focus for the shows this quarter. Light Lab hours are posted on the light shop door. If you are unable to attend light lab hours, then you must make alternate arrangements.

#### Assignments and Percentage Breakdown:

In Class/Activities	20%
Quizzes	20%
Assignments	20%
Project	20%
Final	20%

#### Grading Scale

90 – 100 =	A Superior
80 – 89 =	B Above Average
70 – 79 =	C Average
60 – 69 =	D Below Average
Less than 50 =	F Unacceptable

### **Students With Disabilities**

If you have a disability that may prevent you from meeting course requirements, contact the instructor immediately to file a Student Disability Statement and to develop an Accommodation Plan. Course requirements will not be waived but reasonable accommodations will be developed to help you meet the requirements. You are expected to work with the instructor and the CWU Disability Support Specialist to develop and implement a reasonable Accommodation Plan.

### **Theatre Arts Mission Statements**

*University Mission;*

“Docendo Discimus” (By Teaching We Learn)

*Department Mission;*

“The Department of Theatre Arts is an ensemble of artists, scholars, educators, and practitioners located in the heart of the Pacific Northwest who:

- prepare students for advanced study and professional careers in theatre;
- promote creativity and excellence in a diverse educational environment;
- cultivate, educate, challenge and enrich audiences; and
- train and prepare students from diverse backgrounds to link art and life through experiential learning;

in order to nurture skilled, thoughtful, and courageous citizens who will promote a peaceful and tolerant global community .“

*Center for Teaching and Learning Theme; “facilitators of learning in a diverse world”*

### **Teaching Philosophy:**

The Theatre Arts Department supports and practices constructivism as a teaching philosophy. Indeed, it may be argued that it has used this philosophy in almost all of the diverse areas within the discipline since the art of theatre was created by human beings. Teachers of Theatre Arts practice tenets from the three forms of constructivism exhaustively covered in the Conceptual Framework; Developmental, Social, and Socio-cultural. As a result, we apply the views commonly and generally held by constructivist teachers;

- Learning opportunities are best when accompanied by high levels of active engagement with tasks that characterize them.
- Formal knowledge is valued and made available to the learner, but the learner is encouraged to reflect on it and be skeptical about it, rather than simply accept it.
- Multiple examples and a variety of representations of content enable learners to derive meaning.
- Critical thinking, reflection, and problem solving are prized and encouraged.
- Interaction and conversation with others in the learning environment can improve the learner’s ability to state her case, can widen perspective, and can motivate learning.
- Multiple and authentic measures of assessment provide richer insight into the learner’s construction of knowledge.
- Verbal explanations can and should be supplemented by experiential learning.

It should be noted that each teacher applies these precepts in diverse ways, according to their particular area within the discipline.

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WA-COMP.DR.K1.4 >Understands design tools in theatre: costume, set, **lights**, props, makeup, and sound.

WA-COMP.DR.S1.4 >Identifies and applies the elements, processes and tools within designing and craft.

WA-COMP.DR.K2.5 >Understands appropriate safety procedures and relevant legal requirements in a theatrical setting.

Day	Date	Topic/Activity	Quizzes	Reading Assignment
W	9/20	Introduction/ Safety/ Lighting Systems Tour		Chapter 17
M	9/25	Power	Q	Chapter 21
W	9/27	Lighting instruments and accessories	Q	Chapter 18
M	10/2	Lenses, Lamps, and Reflectors	Q	Chapter 22
W	10/4	TBA		
M	10/16	Maintenance *	Q	
W	10/18	Tech Sheets/ Knots *		
M	10/23	Hang and Focus*	Q	
W	10/25	Hang and Focus*		
M	10/30	Color and Angle	Q	Chapter 15 & 16
W	11/1	Who Does What / Lighting Process		Chapter 20
M	11/6	Cue Sheets and Light plots	Q	<b>Music due</b>
W	11/8	<b>EQUIPMENT PRESENTATIONS</b>		
M	11/13	Whirlwind Overview	Q	
W	11/15	TBA		
M	11/20	Paper Work	Q	
<b>W</b>	<b>11/22</b>	<b>THANKSGIVING BREAK -- NO SCHOOL</b>		
M	11/27	Project Presentations		
W	11/29	Project Presentations		
<b>T</b>	<b>12/5</b>	<b>Final as scheduled by the University 12:00 P.M. -- 2:00 P.M.</b>		