

Fall 9-1-2018

# THTR 360.01: Theatre Lighting I

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COURSE SYLLABUS

**THTR 360-FALL 2018**  
**THEATRE LIGHTING I-3CR.**

**CLASS SESSIONS: MONDAY & WEDNESDAY- 11:00 TO 12:20**  
**MCGILL 215 & PART 131**

**PROFESSOR:**

Alan Hanson  
Office- PAR/TV, Rm. 193,  
Phone-243-2879  
alan.hanson@umontana.edu

Office Hours: 12:30pm to 2:00pm on Tuesday and Thursday except when work on University productions or other School commitments prohibits. Please feel free to make appointments or stop by at other times.

**TEXTS:**

Photometrics Handbook, Robert C. Mumm-optional  
Lighting and the Design Idea, Linda Essig-Required  
The Backstage Handbook, Paul Carter-optional

It should be clearly understood that the assigned text for this class will serve only as a resource. While much of the lecture material has its parallels in the text, the sequence of the class does not match the book. In addition, the terminology and approach of the professor differ from the material presented in the text. These factors make class attendance essential if the student wishes to succeed in this class.

**GOALS AND OBJECTIVES:**

The purpose of this course is to introduce the student to the art of Lighting Design. Students will be asked to analyze lighting for emotional impact, determine the qualities of light that impart these effects, and discover how these ideas can be enlarged upon and transferred to the stage.

The class will discuss the role of lighting in Theatrical Productions, how a script is to be analyzed for lighting needs, and the creation and control of light in production situations. In addition to the lecture material that will be covered, the class will undertake design and drafting projects, and critique two of the School productions during the semester.

The work for this class is designed to sequentially develop the student's understanding and skills. Therefore it is extremely important that all students complete the assignments according to the class schedule.

## **GOALS AND OBJECTIVES (CONT):**

Students should:

- Understand and use the course objectives of THTR 102, THTR 202 and THTR 255.
- Analyze a script or other works of art for emotion, highlight and shadow, focus, and time.
- Develop an individual design process.
- Understand and use of the controllable properties of light (color, angle, intensity, distribution, and movement).
- Understand and use photometrics, color theory, and lighting technology.
- Understand and construct established lighting design communication tools i.e. light plots, storyboards, hook-up schedules, instrument schedules, and magic sheets.

## **GRADING:**

This is rooted in the objectives stated above. The measurement or assessment of the students' success in meeting these objectives is determined at the end of a semester in their ability to design quality productions. And in so doing they must demonstrate:

- Student's ability to meet all deadlines and requirements for the course
- Preparation for class as evidenced by knowledge gained from previous assignments and assigned readings; organization of work; and timely execution of lighting projects
- Increased skill in lighting design: use of color, instrumentation, patterns, electricity, and script analysis
- Student's ability to approach work with increased independence, efficiency, and creative thinking.

Note: The highest level of success is based on their ability to demonstrate through process and product a significant level of understanding of all theories and an ability to utilize them effectively, appropriately, and aesthetically in their creation of lighting design projects.

## GRADING (CONT):

Final grades for this course will be based on the following

9/12	#1: Group Project-Postcard I	50 points
9/26	#2: Wash Project	50
10/10	#3: McCandless Plot	50
10/15	Critique— "Summer and Smoke"	50
10/17	Examination #1	100
10/31	#4: Color Study	75
11/5	#5: Realized Storyboards	75
11/7	Critique – "Dance Up Close"	50
11/26	Critique— "White Christmas"	50
11/28	#6: Rough Plot	75
12/5	Examination #2	150
12/14	#7: Final Light Plot	125
	Attendance and Participation	100
	Total-----	1000 points

Since the completion of many of these projects is dependent upon the completion of preceding projects, **projects turned in to the professor after the due date will not be accepted for grading.**

Extra credit is possible and encouraged by the professor, but the student must receive the instructor's permission before starting a project that is to be used for extra credit.

## REQUIRED MATERIALS:

In order to complete the projects for this class, each student must obtain a basic set of materials. These will include:

Architect's Scale Ruler (not an Engineer's ruler)  
Roscolux Gel Swatch Books (provided by the professor)  
Drafting paper - 18"x 24" minimum - 100% rag drafting vellum  
Black Canson (or equivalent) Pastel Paper for Storyboard Project

## SUGGESTED MATERIALS:

3 Triangles- 30-60-90 (6" suggested)  
45-45-90 (6" suggested)  
Adjustable (10" or larger suggested)  
Drafting Compass  
Mechanical Pencils (not Drafting Pencils)- H, 2H, and 4H  
Eraser and Eraser Shield  
Drafting Dry Cleaning Pad-"Dust Bunny"  
Drafting Tape, (not masking tape)

## **PROJECTS AND REQUIREMENTS:**

**Project I – Film Noir** – Using the provided photos, duplicate the lighting angle, distribution, and intensity in the postcard. You are required to create a drafted lighting plot showing instrument placement, channeling and circuitry. No color media, scenery, or costumes are allowed for this project. Only the effects of light and shadow on the torso and face will be considered for the final grade. 25 pts

**Project II - Wash Project** - Each student will draft the solutions to create an even wash of light using given set of photometric data for three different types of lighting instruments. A handout will be given to provide details of this project. 50 pts

**Project III – Computer Project** – Each student will create a “Standard McCandless” light plot using the resources of the McGill 213 computer lab. Students will also create a Hook-up Schedule and Magic Sheet that corresponds to the created light plot. 75 pts

**Project IV – Color Study** – You will review the entire Roscolux gel inventory and create a reference sheet that contains information about how the colors react to various scenic colors and 75 pts

**Project V - Storyboard** – Each student will create a number of lighting storyboards from a series of poses created in the light lab. Students will be judged on speed, accuracy, and ability to tell a visual story using paper and pencil. 50 pts

**Project VI - Rough Light Plot** - A roughly drafted 1/2" scale layout of the lighting equipment that the student wishes to use for the production. At this stage, neatness does not count, except as it inhibits understanding by the instructor and fellow class members. Information to be included with this project will be type and placement of equipment, color, focus, and channeling. A "Magic Sheet" showing how the channels relate to the stage is required as part of this project. The instructors will evaluate this project and their suggestion must be incorporated in the Final Light Plot. 75 pts

## PROJECTS AND REQUIREMENTS (CONT):

**Project VII - Final Light Plot** - A neatly drafted version of the Rough Lighting Plot incorporated the changes based upon the evaluation of the Rough Lighting Plot. This drawing will be accompanied by a Hook-up Schedule and a final version of the "Magic Sheet". 150 pts

**Three Critiques** - Each student will prepare typewritten criticisms of two of the productions during the Fall 2018 semester. The plays to be critiqued are "Summer and Smoke" and "White Christmas." Each critique will be 600 to 800 words in length and discuss the role of the lighting in the production, and how it supported the style and mood of the production. No discussion of plot or character should be included. 50 pts each

**Examination #1** - This test will cover material presented in class and will focus primarily on terms and definitions. 150 pts

**Examination #2** - This test will cover all material presented during the quarter and will focus primarily on processes, relationships, and comparisons. This exam will be given during the last regular class session. 200 pts

## SCHOOL OF THEATRE & DANCE POLICIES

All Theatre & Dance students must have an in-depth knowledge of the practices and procedures outlined in the School of Theatre & Dance *Student Handbook*. The [Student Handbook](http://www.umt.edu/umarts/theatredance/About/default.php) is available online at "http://www.umt.edu/umarts/theatredance/About/default.php"

There is inherent risk involved in many Theatre & Dance classes as they are very physical in nature. Please proceed through class, shop time, or rehearsal with caution. Always be mindful of your personal safety and the safety of others. Students participating in class/shop/rehearsal/performance do so at their own risk.

Due to safety considerations, at no point during a student's time spent in class or serving on a production (in any capacity) should non-enrolled persons be guests of that student without my consent. Presence of such unauthorized persons in a class, shop, or any backstage/off-stage area will affect negatively a student's grade.

## ACADEMIC MISCONDUCT AND THE STUDENT CONDUCT CODE

All students must practice academic honesty. Academic misconduct is subject to an academic penalty by the course instructor and/or disciplinary sanction by the University. All students need to be familiar with the [Student Conduct Code](http://www.umt.edu/vpsa/policies/student_conduct.php). The policy is available at the following web address "http://www.umt.edu/vpsa/policies/student\_conduct.php"

## STUDENTS WITH SPECIAL NEEDS

The University of Montana assures equal access to instruction through collaboration between students with disabilities, instructors, and Disability Services for Students (DSS). If you think you may have a disability adversely affecting your academic performance, and you have not already registered with DSS, please contact DSS in Lommasson 154. I will work with you and DSS to provide an appropriate accommodation. For more information, please consult the [Disability Services for Students](http://life.umt.edu/dss) website. "http://life.umt.edu/dss"

**TENTATIVE SCHEDULE OF CLASSES-THTR 360-THEATRE LIGHTING I-FALL 2018**

<u>DATE</u>	<u>CLASS TOPICS</u>	<u>STUDENT SHOULD PREPARE</u>	
8/27	Introduction and Syllabus		
8/29	“Visions of Light” Video		
9/3	<b>Class does not meet</b>	<b>Labor Day</b>	
9/5	Lighting Fixtures ( <b>Light Lab</b> )		
9/10	Electricity ( <b>Light Lab</b> )		
9/12	Presentation-Project I ( <b>Light Lab</b> )	Project I - Postcard I	
9/17	Drafting - Plans Paperwork and Sections		
9/19	Photometrics		
9/24	In Class Drafting (Project II)	Drafting Equipment	
9/26	Examine Wash Project	Project II - Wash of Light	
10/1	“McCandless”, Script Analysis & Design		
10/3	Vectorworks	In Class Drafting ( <b>McGill 213</b> )	Flash Drive
10/8	Lightwright	In Class Paperwork ( <b>McGill 213</b> )	Flash Drive
10/10	Presentation - Project III ( <b>McGill 213</b> )	Project III-McCandless Plot	
10/15	Critique of " <i>Summer and Smoke</i> "		
10/17	Examination #1	Examination #1	
10/22	Color Lab ( <b>Light Lab</b> )		
10/24	Color Lab ( <b>Light Lab</b> )		
10/29	Color Lab ( <b>Light Lab</b> )		
10/31	Color Lab ( <b>Light Lab</b> )		
11/5	Story Boards – Drawing and Photo	Project V - Realized Storyboards	
11/7	Critique of “Dance Up Close”		
11/12	<b>Class does not meet</b>	<b>Veterans Day</b>	
11/14	Project VI - Rough Light Plot	In Class Drafting ( <b>McGill 213</b> )	Flash Drive
11/19	Project VI - Rough Light Plot	In Class Drafting ( <b>McGill 213</b> )	Flash Drive
11/21	<b>Class does not meet</b>	<b>Student Travel Day Thanksgiving</b>	
11/26	Critique of " <i>White Christmas</i> "	[Try to see first week]	
11/28	Examine Project VI	Project VI - Rough Light Plot	
12/3	Review for Examination #2		
12/5	Examination #2	Examination #2	
12/14	Examination of Project VII – 8:00am to 10:00am Final Light Plot, Magic Sheet, and Hook-up Schedule Due		