THEATRE 2170
Lighting Design I
Spring 2020  3 Credits
Tuesday and Thursday 2:00– 3:20pm  TAB 108
Prerequisites – THEA 1551 or Instructor consent
THEA 2170 is a core requirement for PADP Majors, it does not fulfill a General education requirement.

Instructor  Michael J. Horejsi
Office      TAB 234
Email       michael.horejsi@utah.edu
Office hours Monday and Wednesday 10:30– 12:00, or by appointment

Best method of communication is by email at address above. Please check your University email regularly, reminders will be sent out via email. Some information will be posted on Canvas. This syllabus is an outline and subject to change, all changes will be announced in class and email reminders and updates will be sent to University email accounts.

Course Description

Theatre 2170 is an introduction to the art of theatrical lighting design. Concentrating on the basic functionality of standard lighting instruments and how they are used in the theatre to support a production.

Theatre 2170 Introduces students to the mechanical aspects of stage lighting. The course is also designed to help the actor, director, technician and designer understand the functions, psychology, and practical application of lighting design. An excellent base for film, photography, computer graphics, and architecture.

Course Fee

Students enrolled in this class have been charged a course fee to offset the cost of laboratory equipment and supplies, including lamps, color media, patterns, and drafting supplies.

Recommended Text

There is no required text for this class, but the following is recommended as extremely useful supplement to the course;

Designing With Light, J. Michael Gillette
**Required Materials**

Pencil, Eraser, Architects Scale Rule, Protractor

You will be given a ¼” Lighting template, checked out to you for the semester, failure to return the Lighting Template will reduce your final letter grade by **TWO FULL LETTERS!** eg. - A to a C

**Course Outcomes**

Upon completion of the course, it is hoped that the student will be able to:

1. Execute and DRAFT a fully realized lighting design in Lab space 108 and studio theatre 115.
2. Discuss the use of lighting in performance, envision methods by which the lighting advances the story telling of any production through the command and use of an artistic vocabulary and understanding.
3. Understand the basic lighting control functions of the lighting control system in room 108.
4. Safely and effectively hang, focus, and trouble shoot, conventional lighting fixtures
5. Work as a Lighting Designer in studio theatre 115.

**Teaching Methods**

Lecture, Discussion, and active student participation in laboratory practice.

**Evaluation**

Based upon class participation, mid-term exam, in class and out of class exercises, in class presentations, and out of class projects. Points will be awarded for all of the above. Grading will be on the following scale:

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<th>Percentage</th>
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<td>100-94%</td>
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<td>77-74%</td>
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<td>93-90%</td>
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<td>89-88%</td>
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<td>87-84%</td>
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<td>83-80%</td>
<td>B-</td>
<td>63-60%</td>
<td>D-</td>
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<td>79-78%</td>
<td>C+</td>
<td>59% and Below</td>
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Class participation is expected and required. Attendance is therefore also expected and required. In class projects and exercises cannot be made up outside of class periods. Each student is given one unexcused absence, each absence after that will result in a 4% reduction in final grade.
Some missed in-class work may be made up, at the discretion of the instructor and only for excused absences.

Late work for projects not involving in-class participation will be accepted with a 15% loss of value per day

**Each student is expected to participate in 3 hours of hang and focus of a university production** light plot. Dates for Hang and Focus will be announced in class. Certain Monday evening, and Friday afternoon lab sections will be made available and announced in class as well.

Grading is based on the following;

Seven in and out of class assignments, all are worth 25 points with the exception of #5 which is worth 75 points, some are group projects. total 225 pts

A midterm exam, worth 100 points (Thursday March 5th) Calculators are allowed, BUT NOT PHONES 100 pts

A final project worth 150 pts, to be turned in during the Final exam period (Friday April 24th) Designing the lighting for APPROVED University Theatre Performance class Finals is an option in lieu of the final project. 150 pts

Participation in departmental production hang and focus (3 hours) 50 pts

Total for semester 425 points

**Final Exam Period – Fri. April 24th, 1:00 – 3:00pm Rm 108 TAB**

**Class Schedule:** subject to change based on student progress and department schedule

- Week 1   Introduction and orientation, Electricity and Electronics, The Power Formula
- Week 2   Power Formula Cont. Physics of light, Safety, Practical Wiring, Tools
- Week 3   Lighting Instruments, function and use of, practical hang and focus
- Week 4   Color, Intensity, Direction, and Timing. Basic Programming. Cue creation
- Week 5   Continue Cue creation
- Week 6   Basic drafting of Lighting Plots
- Week 7   “Heart in the Ground” script analysis, interpretation, cueing
- Week 8   continue from week 7
- Week 9   Revue, MID-TERM EXAM
- Week 10  Creating looks from text
- Week 11  Responding to music, color, emotion, and rhythm
- Week 12  Calculating Beam and Field Parameters
- Week 13  Programing Intelligent Lighting Fixtures
Faculty and Student Responsibilities

Academic integrity is essential to a positive teaching and learning environment. All students enrolled in this course are expected to complete coursework responsibilities with fairness and honesty. Failure to do so by seeking unfair advantage or misrepresenting someone else’s work will result in disciplinary action. Please read the excerpt from the student code of conduct below, the entire Student Code is available at: http://regulations.utah.edu/academics/6-400.php

1. The mission of the University of Utah is to educate the individual and to discover, refine and disseminate knowledge. The University supports the intellectual, personal, social and ethical development of members of the University community. These goals can best be achieved in an open and supportive environment that encourages reasoned discourse, honesty, and respect for the rights of all individuals. Students at the University of Utah are encouraged to exercise personal responsibility and self-discipline and engage in the rigors of discovery and scholarship.

The professor will strive to create a constructive, positive, learning environment. Questions are encouraged. It is the hope of the professor that students will begin to develop a unique and individual artistic voice. In order to aid in this process, the professor will strive to recognize individual learning styles and work with varying artistic strengths and weaknesses.

DISABILITY ACCESS & ACCOMODATION

Americans with Disabilities Act Amendments Act (ADA) and Sections 504 and 503 of the Rehabilitation Act of 1972 (Sections 503 & 504)

University policy, the ADA, and Sections 504 & 503, prohibit discrimination on the basis of a person’s status as a person with a disability, require equal opportunity and access, a process for a person with a disability to request a reasonable accommodation, and a grievance process for an individual to complain of discrimination. The University endeavors to ensure that its campus and programs are accessible and in compliance with state and federal disability standards and to provide reasonable accommodations so as to remove a barrier that may prevent an individual with a disability from equally participating in academics, employment, or other University program. Reasonable accommodations may include specialized equipment, auxiliary aids, policy modifications, academic adjustments or other accommodation that is effective. University policy, as well as state and federal law, strictly prohibit retaliation against an individual for requesting a disability accommodation, for participating in a disability discrimination complaint process.

The University has designated the following ia its ADA/Section 504 Coordinator:
Director, Office of Equal Opportunity and Affirmative Action
Addressing Sexual Misconduct.

Title IX makes it clear that violence and harassment based on sex and gender (which includes sexual orientation and gender identity/expression) is a civil rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, color, religion, age, status as a person with a disability, veteran’s status or genetic information. If you or someone you know has been harassed or assaulted, you are encouraged to report it to the Title IX Coordinator in the Office of Equal Opportunity and Affirmative Action, 135 Park Building, 801-581-8365, or the Office of the Dean of Students, 270 Union Building, 801-581-7066. For support and confidential consultation, contact the Center for Student Wellness, 426 SSB, 801-581-7776. To report to the police, contact the Department of Public Safety, 801-585-2677(COPS).

Student Names & Personal Pronouns statement

Class rosters are provided to the instructor with the student’s legal name as well as “Preferred first name” (if previously entered by you in the Student Profile section of your CIS account). While CIS refers to this as merely a preference, I will honor you by referring to you with the name and pronoun that feels best for you in class, on papers, exams, group projects, etc. Please advise me of any name or pronoun changes (and update CIS) so I can help create a learning environment in which you, your name, and your pronoun will be respected. If you need assistance getting your preferred name on your UID card, please visit the LGBT Resource Center Room 409 in the Olpin Union Building, or email bpeacock@sa.utah.edu to schedule a time to drop by. The LGBT Resource Center hours are M-F 8am-5pm, and 8am-6pm on Tuesdays.

Wellness

Personal concerns such as stress, anxiety, relationship difficulties, depression, cross-cultural differences, etc., can interfere with a student’s ability to succeed and thrive at the University of Utah. For helpful resources contact the Center for Student Wellness at www.wellness.utah.edu or 801-581-7776.