



THE 316.01E Lighting I

COURSE SYLLABUS: Fall 2024

Instructor: Michael G. Knight, Jr.

Office Location: PAC 101

Office Hours: T/R 10:00-11:00 or By appointment

University Email Address: michael.knight@tamuc.edu

Preferred Form of Communication: **e-mail**

Communication Response Time: M-F, 9-5, within 24 hours

Class Meets: T/R 09:30 – 10:45 in PAC 100

COURSE INFORMATION

Required Text/Supplies:

Designing with Light: An Introduction to Stage Lighting, 7th ed.

By J. Michael Gillette and Michael McNamara

ISBN: 978-0-367-00062-2

Vectorworks 2022 or later (you can download a free educational version)

Black foam-core board, Bristol board, craft supplies, drawing paper, spray glue.

Course Description

The basic techniques of the principles and practices of lighting design for stage and television. Included are design functions, instrumentation, electricity, history and theories of design.

Student Learning Outcomes

1. Identify and utilize proper lighting design terminology and techniques through a series of scenic design projects, as well as modern and historical examples.
2. Understand and utilize the tools necessary to complete a fully conceptualized lighting design.
3. Students will be able to complete a fully realized conceptualized lighting design.

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Course Requirements

Minimal Technical Skills Needed

Students will need access to a computer and the Internet. Students will also be actively working on in-class projects.

Instructional Methods

This class will utilize a combination of quizzes, tests, and practical projects to determine student progress and success. Quizzes will be administered on the D2L platform, and the practical project will be completed in person.

Student Responsibilities or Tips for Success in the Course

Come to class on time. Do not be late. It will set the rest of the class behind if I must stop and reteach the first ten minutes of class. Be on time. Also, commit to the projects. All of these projects are achievable.

Attendance Policy

You are allowed 3 unexcused absences for the semester. After that every unexcused absence will result in a full letter grade drop from your final grade. If you have 7 unexcused absences, you will fail this course.

Assignments

Lighting Projects (4)	200 pts
Quizzes (4)	100 pts
Midterm Project & Exam	100 pts
Final Project & Exam	100 pts
Total Points: 500 pts	

Grading

A = 500-449

B = 448-399

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C = 398-349
D = 348-299
F = 298-000

TECHNOLOGY REQUIREMENTS

LMS

All course sections offered by Texas A&M University-Commerce have a corresponding course shell in the myLeo Online Learning Management System (LMS). Below are technical requirements

LMS Requirements:

<https://community.brightspace.com/s/article/Brightspace-Platform-Requirements>

LMS Browser Support:

https://documentation.brightspace.com/EN/brightspace/requirements/all/browser_support.htm

ACCESS AND NAVIGATION

You will need your campus-wide ID (CWID) and password to log into the course. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or helpdesk@tamuc.edu.

COMMUNICATION AND SUPPORT

Interaction with Instructor Statement:

If at any time during this course you are in need of further explanation or should need to speak with me about the course or its outcomes, please reach out to me. I am always available by email. Please communicate, I can't help if I don't know there's an issue or a question.

Email Policy:

Before sending me an email with a general course-specific question, **review your syllabus/look at the handouts/check myLeo Online/ask a classmate first**. If your question has already been addressed in one of those places, then you will have the answer you need. If your question does not exist, please feel free to email me.

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Technical Support

If you are having technical difficulty with any part of Brightspace, please contact Brightspace Technical Support at 1-877-325-7778. Other support options can be found here:

<https://community.brightspace.com/support/s/contactsupport>

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Specific Procedures/Policies

Late Work:

I normally do not accept late work, however life happens. If you find yourself hopelessly wrapped up in the cold and unforgiving gaze of life...talk to me. I can work with almost any genuine circumstance.

Extra Credit:

Can be offered at the discretion of the instructor.

University Specific Procedures

Student Conduct

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the [Student Guidebook](#)

<https://inside.tamuc.edu/admissions/registrar/documents/studentGuidebook.pdf>.

Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum: <https://www.britannica.com/topic/netiquette>

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TAMUC Attendance

For more information about the attendance policy, please visit the webpages below.

[Attendance,](#)

<https://inside.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx>

Academic Integrity

Students at Texas A&M University-Commerce are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty, see the following procedures:

Undergraduate Students Academic Integrity Policy and Form [Undergraduate Academic](#)

[Dishonesty 13.99.99.R0.03](#)

<https://inside.tamuc.edu/aboutus/policiesProceduresStandardsStatements/rulesProcedures/13students/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf>

[Undergraduate Student Academic Dishonesty Form](#)

<https://inside.tamuc.edu/aboutus/policiesProceduresStandardsStatements/rulesProcedures/documents/13.99.99.R0.03UndergraduateStudentAcademicDishonestyForm.pdf>

Students with Disabilities-- ADA Statement

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

The syllabus/schedule are subject to change.

Office of Student Disability Services

Velma K. Waters Library- Room 162

Phone (903) 886-5930

Fax (903) 468-8148

Email: StudentDisabilityServices@tamuc.edu

Website: <https://www.tamuc.edu/student-disability-services/>

Nondiscrimination Notice

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Texas A&M University-Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

Campus Concealed Carry Statement

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in Texas A&M University-Commerce buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and A&M-Commerce Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations.

For a list of locations, please refer to the [Carrying Concealed Handguns On Campus](#) document and/or consult your event organizer.

Web url:

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all A&M-Commerce campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

A&M-Commerce Supports Students' Mental Health

Counseling Center Services

The Counseling Center at A&M-Commerce, located in the Halladay Building, Room 203, offers counseling services, educational programming, and connection to community resources for students. Students have 24/7 access to the Counseling

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Center's crisis assessment services by calling 903-886-5145. For more information regarding Counseling Center events and confidential services, please visit www.tamuc.edu/counsel

COURSE OUTLINE / CALENDAR*

Week 01 (08.27/29.2024):	Introduction and Syllabus Review Controllable Qualities of Light Functions of Stage Lighting 3-Point Area “McCandless Method”
Week 02 (09.03/05.2024):	Lighting Production Team & Responsibilities Electrical Theory and Practice Photometrics Angles, Direction, and Height Script Analysis PRACTICAL ASSIGNMENT #1: Script Analysis
Week 03 (09.10/12.2024):	Lighting Instruments: Anatomy, Repair, and Usage Lamps, and Accessories Cables and Connectors Realism vs Abstraction Vectorworks QUIZ #1 (D2L) PRACTICAL ASSIGNMENT #2: Vectorworks pt. 1
Week 04 (09.17/19 2024):	The Lighting Key...the Gateway Paperwork Lighting Plots, and Paperwork Basic Programming on a Lighting Console...very basic PRACTICAL ASSIGNMENT #1: Script Analysis DUE
Week 05 (09.24/26.2024):	Color and Balance Gels and Gel Transformations Dance Lighting LIGHTING PROJECT #1: Dance “Create a Scene” QUIZ #2 (D2L) PRACTICAL ASSIGNMENT #2: Vectorworks pt. 1 DUE
Week 06 (10.01/03.2024):	Texture Projections Light Plot and Paperwork Review Pt. 1 LIGHTING PROJECT #1: Dance “Create a Scene” DUE PRACTICAL ASSIGNMENT #3: Textures and Projections QUIZ #3 (D2L)

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Week 07 (10.08/10.2024):	<p>Musical Performance (concert) and Entertainment Lighting Haze, Smoke, and SF/X</p> <p>LIGHTING PROJECT #2: Concert "Create a Scene"</p> <p>PRACTICAL ASSIGNMENT #3: Textures and Projections DUE</p>
Week 08 (10.15/17.2024):	<p>Light Plot and Paperwork Review Pt. 2 Practicals Pt. 1 (type, use, and setup)</p> <p>LIGHTING PROJECT #2: Concert "Create a Scene" DUE</p> <p>QUIZ #3 (D2L)</p> <p>PRACTICAL ASSIGNMENT #4: Vectorworks pt. 2</p>
Week 09 (10.22/24.2024):	<p>Corporate Lighting Practicals Pt. 2 (type, use, and setup)</p> <p>LIGHTING PROJECT #3: Corporate "Create a Scene"</p> <p>Mid-Term Exam (D2L)</p> <p>PRACTICAL ASSIGNMENT #4: Vectorworks pt. 2 DUE</p>
Week 10 (10.29/31.2024):	<p>Putting the Lighting Design Together Research</p> <p>LIGHTING PROJECT #3: Corporate "Create a Scene" DUE</p> <p>PRACTICAL ASSIGNMENT #5: The Complete Package</p>
Week 11 (11.05/07.2024):	<p>Architectural Lighting Rehearsal and Performance Listening to the Director and the Other Designers</p> <p>LIGHTING PROJECT #4: Architectural "Create a Scene"</p> <p>PRACTICAL ASSIGNMENT #5: The Complete Package DUE</p>
Week 12 (11.12/14.2024):	<p>Using Moving Lights and Intelligent Instruments: Walk Before You Run</p> <p>LIGHTING PROJECT #4: Architectural "Create a Scene" DUE</p> <p>QUIZ #4 (D2L)</p>
Week 13 (11.19/21.2024):	<p>Evoking an Emotional Response The Psychology of Lighting Design</p> <p>LIGHTING PROJECT #4: Spooky Lighting "Create a Scene"</p>
Week 14 (11.26/28.2024):	<p>Evoking an Emotional Response The Psychology of Lighting Design</p> <p>LIGHTING PROJECT #4: Spooky Lighting "Create a Scene"</p> <p>***THANKSGIVING BREAK***</p>

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Week 15 (12.03/05.2024):

Options, Options, Options

LIGHTING PROJECT #4: Spooky Lighting "Create a Scene" DUE

Week 16 (12.12.2024):

FINAL EXAM (08:00-10:00)(D2L)