

TPA 3217 INTRO TO LIGHTING AND SOUND

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COURSE NUMBER: TPA 3217	CLASS LOCATION: 219 - LABS
SEMESTER/YEAR: FALL	CLASS MEETING TIME(S): (20767) MON WED 11:45 1:40 (20768) TUE THU 4:05-6:00
CREDIT HOURS: 4	Office location/Hours: (Clark) McCarty 101 MON 2:00-3:00, TUE 3:00-4:00 (Zhao) McCarty 302 THU 2:00 – 4:00
INSTRUCTOR: Clark - Zhao	CONTACT EMAIL: Michael@digitalworlds.ufl.edu , jZhao@arts.ufl.edu
CONTACT PHONE: (352) 294-2000	COURSE WEBSITE: ELEARNING.UFL.EDU

COURSE DESCRIPTION

This course introduces the students to the basics in light and sound design and operations.

PREREQUISITE KNOWLEDGE AND SKILLS

An interest in production for live events. A willingness and desire to participate in the technical operation of productions at UF.

PURPOSE OF COURSE

This is a course to introduce students of various disciplines the tools, systems, vocabulary and methods of lighting and sound production for live events.

COURSE GOALS AND/OR OBJECTIVES:

Understanding of the past present and future applications of lighting and sound for live events.

Development of vocabulary and knowledge at a comfortable level for engagement on a production.

Educate students on school equipment providing solutions for lighting and sound.

Introduction to the lighting and sound lab design and production environments

To create an open atmosphere and encouraging for students to tap into their interests and experiences.

To identify lighting and sound solutions in contemporary applications.

COURSE SCHEDULE: The course (20767) meets twice weekly during the 5th and 6th periods. An alternate section (20768) meets twice weekly in the 8th and 9th class periods.

TEXTBOOKS, SOFTWARE AND INSTRUCTIONAL MATERIALS:

While there isn't a required textbook, the Instructor will be suggesting reading and research and sharing a variety of instructional resources. The students will work with a personal "workbook" or "journal" of notes and handouts to refer to at the end of the course. Students should have personal access to Google Drive. Other technologies will be introduced during the course session. A working laptop is an asset in class; the computer labs will be made available.

COURSE FEES:

Material and supply fees are assessed for certain courses to offset the cost of materials or supply items consumed in the course of instruction. A list of [approved courses and fees](#) is published in the Schedule of Courses each semester. (UF-3.0374 Regulations of the University of Florida)

TPA 3217 INTRO TO LIGHTING AND SOUND

Material and supply and equipment use fee information is available from the academic departments or from the schedule of courses (Florida Statutes 1009.24). The course fee for this class is \$140

COURSE SCHEDULE FOR LIGHTING (MONDAYS/TUESDAYS)

DATE	TOPIC	Assignments Given & Due
<u>WEEK 01</u>	-Introductions, review of upcoming coursework, equipment overview	
WEEK 02	History of Lighting	LX – Who is Lighting? In your own terms explain the function that lighting serves as an analogy to a different professional track. How does it compare to another field.
WEEK 03	Definition of lighting and lighting types.	LX assignment due
WEEK 04	Hanging Positions and Theater Space	
WEEK 05	Exploration of Fixtures and Fixture Types	LX – How is your lighting at home like a theatrical fixture?
WEEK 06	The Staff of A Production	LX assignment due
WEEK 07	Discussion – How to be a good stagehand.	
WEEK 08	Paperwork Light Plots and Sections	
WEEK 09	Electricity and Distribution	LX – Electrics MATH problems.
WEEK 10	Control and Effects	LX – assignment due
WEEK 11	Programming Consoles	LX – imagine an effect
WEEK 12	Programming Consoles	LX – LAB writing a basic cue./assignment due
WEEK 13	Color and Color Theory	LX – Mixing colors in light

TPA 3217 INTRO TO LIGHTING AND SOUND

WEEK 14	Final Exam review and final critique	LX – assignment due
WEEK 15	Final Exam	Show Journal of concept, execution, performance and video teaser for future shows.

COURSE SCHEDULE FOR SOUND (WEDNESDAYS/THURSDAYS)

Date	Topic	Assignments Given & Due
Aug 22/23	Introduction to course	Form Groups of Two.
Aug 29/30	Sound Fundamentals 1	Groups Due.
Sep 5/6	Sound Fundamentals 2	Quiz 1. Short Story Due.
Sep 12/13	Sound Design Process	Quiz 2.
Sep 19/20	QLab Programming and Operations	Quiz 3. Cue Sheets Due.
Sep 26/27	Microphones	Quiz 4. Revised Cue Sheets Due.
Oct 3/4	Loudspeakers	Quiz 5.
Oct 10/11	Speaker Plots and Block Diagrams	Quiz 6. Rough Sound Due
Oct 17/18	Sound System Calibration	Quiz 7.
Oct 24/25	Supervised Work in Lab	Quiz 8. QLab Workspace Due.
Oct 31/Nov 1	Final Project Rehearsals	
Nov 7/8	Final Project Rehearsals	
Nov 14/15	Final Project Rehearsals	
Nov 21/22	Holiday	
Nov 28/29	Final Presentations	
Dec 5/6	Reading Days	

EVALUATION OF GRADES

The lighting and sound part of this course are each worth 50 out of 100 of your final grade.

Lighting Grades Breakdown

Assignment or Course Component	Points	Percentage of Grade
Quizzes	100	30%
Progress and Effort in Usage of Systems (classwork projects)	100	20%
Journal Writings/Entries/ Research/Paperwork	100	15%
Attendance and Class Participation	100	15%
Final Exam	100	20%

Sound Grades Breakdown

Assignment or Course Component	Points
Quizzes (total of 8)	16
Short Story	4

TPA 3217 INTRO TO LIGHTING AND SOUND

Cue Sheets	5
Revised Cue Sheets	5
Rough Sound	5
QLab Workspace	5
Final Presentation	10
Total	50

GRADING SCALE:

Letter Grade	% Equivalency	GPA Equivalency
A	94 – 100%	4.0
A-	90 – 93%	3.67
B+	87 – 89%	3.33
B	84 – 86%	3.00
B-	80 – 83%	2.67
C+	77 – 79%	2.33
C	74 – 76%	2.00
C-	70 – 73%	1.67
D+	67 – 69%	1.33
D	64 – 66%	1.00
D-	60 – 63%	.67
E, I, NG, S-U, WF		0.00

More information on grades and grading policies is here:

<https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

COURSE POLICIES:

ASSIGNMENTS

There are a number of class projects. It is important to complete the class projects in the time assigned, as completed projects will become the basis for continued projects. Most projects will need to be completed in the week interim between course meetings.

GRADING

Your assignment grades will be based on these factors:

- Your understanding of the assignment and your ability to follow instruction
- The completion of the project during the time required
- That all factors that are in the assignment are addressed completely and correctly
- Your quality, level of research, preparedness and ability to discuss your project using the correct terminology when called upon.

PARTICIPATION / ATTENDANCE

We value participation more than mere attendance. Each Instructor is responsible for communicating the specific details of what percentage of your grade (if any) will be assigned to participation, and how class participation will be

TPA 3217 INTRO TO LIGHTING AND SOUND

measured and graded. Real Time [RT] interaction with your peers and the Instructor will empower you to greater achievement. Attendance to receive the proper instruction and example is paramount to your success in this class if your absence cannot be avoided please contact the Instructor prior to the class session that needs to be missed. More than one (1) unexcused absence will result in a deduction of 5% of the participation grade for each missed session.

QUIZ/EXAM POLICY

Lighting quizzes will not be announced and will take place during the class session. Sound quizzes are listed in the course schedule. Exams/Class Completion project deadlines will be announced. Late or Missed Exams will be marked down unless a prior arrangement is made.

MAKE-UP POLICY Late assignments or Missed Exams will be marked down unless a prior arrangement is made. Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

COURSE TECHNOLOGY

The students will be required to have access to, and use a personal computer with the access to the Internet. Word editing software will be required for written assignments. Students should have personal access to the Internet. Other technologies will be introduced during the course session.

COURSE COMMUNICATIONS

Students can communicate directly with the Instructor regarding the course material through the course management system (CANVAS). Electronic communication must demonstrate a formal tone and style and , unless absolutely urgent, will be responded to M-F 10am – 6pm

UF POLICIES:

UNIVERSITY HONESTY POLICY

UF students are bound by The Honor Pledge that states, “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.” The Honor Code (<https://www.dso.ufl.edu/sccr/process/student-conducthonor-code/>) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class.

PLAGIARISM

Plagiarism is a violation of the UF honor code. A student shall not represent as the student’s own work all or any portion of the work of another. Plagiarism includes but is not limited to:

1. Quoting oral or written materials including but not limited to those found on the internet, whether published or unpublished, without proper attribution.
2. Submitting a document or assignment, which in whole or in part is identical or substantially identical to a document or assignment not authored by the student.

TPA 3217 INTRO TO LIGHTING AND SOUND

Students shall not use unauthorized materials or resources in an academic activity. Unauthorized materials or resources includes any paper or project authored by the student (or another student) and presented by the student for the satisfaction of any academic requirement if the student previously submitted substantially the same paper or project to satisfy an academic requirement and did not receive express authorization to resubmit the paper or project.

CLASS DEMEANOR

Students are expected to arrive to class on time and behave in a manner that is respectful to the instructor and to fellow students. Please avoid the use of cell phones and restrict eating to outside of the classroom. Opinions held by other students should be respected in discussion, and conversations that do not contribute to the discussion should be held at minimum, if at all.

STUDENTS REQUIRING ACCOMMODATIONS

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, www.dso.ufl.edu/drc/) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

NETIQUETTE COMMUNICATION COURTESY

All members of the class are expected to follow rules of common courtesy in all email messages, threaded discussions and chats, more information can be found at: <http://teach.ufl.edu/wp-content/uploads/2012/08/NetiquetteGuideforOnlineCourses.pdf>

ONLINE COURSE EVALUATIONS

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>.

CAMPUS RESOURCES

HEALTH AND WELLNESS

U Matter, We Care

If you or a friend is in distress, please contact umatter@ufl.edu or 352 392- 1575 so that a team member can reach out to the student.

Counseling and Wellness Center

<http://www.counseling.ufl.edu/cwc/Default.aspx>, 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.

Sexual Assault Recovery Services (SARS)

Student Health Care Center, 392-1161.

1. University Police Department, 392-1111 (or 9-1-1 for emergencies). <http://www.police.ufl.edu/>

ACADEMIC RESOURCES

E-learning technical support, 352-392-4357 (select option 2) or e-mail to Learning- support@ufl.edu.
<https://lss.at.ufl.edu/help.shtml>.

Career Resource Center, Reitz Union, 392-1601. Career assistance and counseling. <http://www.crc.ufl.edu/>

Library Support, <http://cms.uflib.ufl.edu/ask>. Various ways to receive assistance with respect to using the libraries or finding resources.

Teaching Center, Broward Hall, 392-2010 or 392-6420. General study skills and tutoring.

<http://teachingcenter.ufl.edu/>

Writing Studio, 302 Tigert Hall, 846-1138. Help brainstorming, formatting, and writing papers.

<http://writing.ufl.edu/writing-studio/>

Student Complaints Campus:

https://www.dso.ufl.edu/documents/UF_Complaints_policy.pdf

On-Line Students Complaints:

<http://www.distance.ufl.edu/student-complaint-process>

Disclaimer: This syllabus represents the instructor's current plans and objectives. As we go through the semester, those plans may need to change to enhance the class learning opportunity. Such changes, communicated clearly, are not unusual and should be expected.