

TPA 3217 Introduction to Light and Sound

Fall 2019 4 Credit Hours

Revised 20190815

Basic Information

Instructors:

Jing Zhao - Lillie Kahkonen

Phone:

352 273 0578

Time and Place:

(Section 1D21) Mon/Wed 8:30 AM – 10:25 AM Rm 217

(Section 2710) Tue/Thu 4:05 PM – 6:00 PM Rm 218

Office Location and Hours

(Jing) McGuire 201 - Tuesdays 2:00 PM to 4:00 PM - by appointment only

(Lillie) McCarty 216 Wednesdays 10:30 AM to 11:30 AM - by appointment only

Email

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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.

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.

Textbooks, Software and Instructional Materials

All Students are required to use the Drafty software for drafting. While there isn't a required textbook, the instructors 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.

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 Introduction to Light 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 Schedules

Course Schedule for Lighting (Wednesdays & Thursdays)

	Topic	Homework Assigned	Homework Due
8/21 & 22	Introductions, What is Lighting, brief history	Quiz 1	None
8/28 & 29	Fixtures and Fixture Types	Fill in the Blank Worksheet	Quiz 1
9/4 & 5	Electricity	Quiz 2	Fill in the Blank Worksheet
9/11 &12	Control and Data	Quiz 3	
9/18 & 19	Light Lab Equipment and Intro, Final project assigned	Song and Group Choice	
9/25 & 26	Light Plots and Drafting; Drafty Lesson	Midterm Project assigned	Song and Group Choice
10/2 & 3	Drafty	Midterm Project	
10/9 &10	Color, Color Theory, and Gobos	Quiz 4	Mid Term Due
10/16 & 17	Lighting Design Process	Quiz 5	Quiz 4
10/23 &24	Board Programming Day 1	Quiz 6	Quiz 5
10/30 &31	Board Programming Day 2		Quiz 6
11/6 & 7	Final Project Rehearsal		
11/13 &14	Final Project Rehearsal/ Presentations		
11/20 &21	Final Project Presentations		
11/27 &28	Holiday		
12/4	Final Project presentations		

TPA 3217 Introduction to Light and Sound

Course Schedule for Sound

Date	Topic	Assignments Given & Due
8/19	NO CLASS WDCSOAFT	
8/26	Introduction to course	Form Groups of Two.
9/2	NO CLASS LABOR DAY	
9/9	Sound Fundamentals 1	Groups Due.
9/16	Sound Fundamentals 2	Quiz 1. Short Story Due.
9/23	Sound Design Process and Elements	Quiz 2.
9/30	QLab Programming and Operations	Quiz 3. Cue Sheets Due.
10/7	Microphones	Quiz 4. Revised Cue Sheets Due.
10/14	Loudspeakers	Quiz 5.
10/21	Speaker Plots and Block Diagrams	Quiz 6. Rough Sound Due
10/28	Sound System Calibration	Quiz 7.
11/4	Work Day – QLab	Quiz 8. QLab Workspace Due.
11/11	NO CLASS VETERANS DAY	
11/18	Final Project Rehearsals	
11/25	Final Project Rehearsals	
12/2	Final Presentations	

Date	Topic	Assignments Given & Due
8/20	Introduction to course	Form Groups of Two.
8/27	Sound Fundamentals 1	Groups Due.
9/3	Sound Fundamentals 2	Quiz 1. Short Story Due.
9/10	Sound Design Process and Elements	Quiz 2.
9/17	Work Day – Cue Sheets	
9/24	QLab Programming and Operations	Quiz 3. Cue Sheets Due.
10/1	Microphones	Quiz 4. Revised Cue Sheets Due.
10/8	Loudspeakers	Quiz 5.
10/15	Work Day – Rough Sound	
10/22	Speaker Plots and Block Diagrams	Quiz 6. Rough Sound Due
10/29	Sound System Calibration	Quiz 7.
11/5	Work Day – QLab	Quiz 8. QLab Workspace Due.
11/12	Final Project Rehearsals	
11/19	Final Project Rehearsals	
11/26	Final Project Rehearsals	
12/3	Final Presentations	

Evaluation of Grades

The lighting and sound part of this course are each worth 40 out of 100 of your final grade. The Lab component (see course requirements) is worth 20 points toward your final grade. You are required to work a total of 45 Lab hours in the semester. A score of incomplete or 0 points in the LAB requirement results in an incomplete or failure for the entire class regardless of lighting and sound course work. Refer to the Lab syllabus for details.

Lighting Grades Breakdown

Midterm Project(30%):

- Students will draft the UF Light Lab in Drafty CAD software.
- Students may use Vectorworks instead of Drafty if they choose.
- Further Details will be given during class in Week 5

Final Project(40%):

- Students will be assigned a roughly 1 minute long piece of music to cue lighting to in the UF Light Lab
- Students must have 10 cues that include the following:
 - o Split time cues
 - o Follow/Hang cues
 - o Other cue requirements will be assigned based upon class progress.
- The Lighting will start and end in a blackout
- Students must also include a cue score which contains visual research and a rough idea of their cues.
- Further Details will be given during class Week 11

Assignments and Quizzes(30%):

- Paper assignments will be handed out at the end of a lighting class period and will be due at the beginning of the next lighting class period.
- Quizzes will be opened on canvas at the end of a lighting class period and will be due at 11:59 PM the night before the next lighting class period.

Sound Grades Breakdown

Assignment or Course Component	Points
Quizzes (7 out of 8, 2 points each)	14
Short Story	2
Cue Sheets	4
Revised Cue Sheets	4
Rough Sound	4
QLab Workspace	4
Final Presentation	8
Total	40

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 can be found at <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
- 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 and 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 measured and graded. Real Time 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. There are 8 sound quizzes to be given at the beginning of class. Your lowest quiz score will be dropped, in other words, only 7 out of the 8 quizzes will be counted towards your final grade. 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 email. Electronic communication must demonstrate a formal tone and style and , unless absolutely urgent, will be responded to M-F 10am – 6pm

Lab Requirement

Student must either participate in 45 hours of lab assignments or the equivalent hours by a production assignment. Students are required to meet with the Lab coordinator (Todd Bedell) within 1 week from the beginning of classes each semester to establish a production role or coordinate a schedule of lab hours. Satisfactory completion of the LAB is a requirement to passing the class. An incomplete or zero point score will result in the Student failure of the course.

Course Evaluation

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at gatorevals.aa.ufl.edu/students/. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via ufl.bluera.com/ufl/. Summaries of course evaluation results are available to students at gatorevals.aa.ufl.edu/public-results/.

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.

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.