

**TH 3310.01 ST: Motion Tracking for Live Performance****Tue/Thu 11:00 to 12:15 + Fri 9:30-10:45****Instructor: Matt Kizer • Silver 330 • 535-2385 • [mkizer@plymouth.edu](mailto:mkizer@plymouth.edu)**

Plymouth State University is committed to providing students with documented disabilities equal access to all university programs and facilities. If you think you have a disability requiring accommodations, you should immediately contact the Disability Services Office (DSO) in the Center for Student Success in Mary Lyon (535-3065) to determine whether you are eligible for such accommodations. Academic accommodations will only be considered for students who have registered with DSO. If you have a Letter of Accommodation for this course from DSO, please provide the instructor with that information privately so that you and the instructor can review those accommodations.

**Student Learning Outcomes: Each student should become able to discuss moving lights, projections, motion-tracking, and cuing in the context of a production, and to contribute to a collaboration using the technologies introduced in this class in one or more roles as a theatre professional.**

Each week's work will be worth on letter grade.    **A=5    B=4    C=3    D=2    F=1    Incomplete=0**

<b>Week 1 10%</b>	<b>Pre-production</b> There are several technology platforms that we will be using in this course. These include the ETC Ion control board for lighting, Dataton Watchout for Projections, and BlackTrax. We will be learning terminology and application of the lighting and projection platforms first. <b>Grading this week: participation and involvement.</b>
<b>Week 2 10%</b>	<b>Literacy</b> The movers will arrive this week and will be installed. G <b>Grading this week: individual demonstration of the control systems in place.</b>
<b>Week 3 10%</b>	<b>Exploration</b> The BlackTrax system is scheduled for installation this week. We will have the movers in place. We will experiment with how to create compositions and cues using movers and projections. <b>Grading this week:</b>
<b>Week 4 10%</b>	<b>Discovery</b> This week we will be deliberately creating striking and interesting things on stage. Many of these might be harvested and adapted for inclusion in <i>An Enemy of the People</i> . <b>Grading this week:</b>
<b>Week 5 10%</b>	<b>Experimentation</b> Not everything always happens in the order we plan on a syllabus like this. However, in this week, I would like everyone to pursue something that the system(s) can do that is a little out of the norm of what we have done so far. <b>Grading this week:</b>
<b>Week 6 10%</b>	<b>Risk</b> Come up with an art concept for this tech. Art is interesting. Technology is impressive. Come up with an idea that has the potential to be both. <b>Grading this week:</b>
<b>Week 7 10%</b>	<b>Correction</b> Take last week's innovation and refine it. Make a second iteration. Aim for the presentation you are going to put together after Spring Break. <b>Grading this week:</b>
<b>Week 8</b>	<b>Rest</b> Spring break. Do something totally different.
<b>Week 9 15%</b>	<b>Presentations</b> Students will use the technology in the space to produce short performance pieces and record them to video. Video recording will include process as well as presentation. Anticipated length is two minutes up to seven minutes. <b>Grading this week:</b>
<b>Week 10 15%</b>	<b>Reporting Out</b> Students will edit their videos with voiceover commentary, captions, and other supporting elements. These will be submitted with a written article discussing the work in a way that will benefit the wider entertainment industry. Written reports should be between 1200 and 2000 words. They will discuss the technology employed so that it can be understood by early-career professionals who might not have encountered this technology before. <b>Grading this week:</b>

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Week 1	19	20	21	22	23	24	25
Week 2	26	27	28	29	30	31	Feb 1
Week 3	2	3	4	5	6	7	8
Week 4	9	10	11	12 Winter Carnival	13	14	15
Week 5	16	17	18	19	20	21	22
Week 6	23	24	25	26 <i>An Enemy of the People</i> opens	27	28	29
Week 7	Mar 1	2	3	4	5	6	7
Week 8	8	9	10	11	12	13	14
Week 9	15	16	17	18	19	20	21
Week 10	22	23	24	25	26	27	28 Spelling Bee Tech
Week 11	29	30	31	Apr 1 <i>Spelling Bee</i> Opens	2	3	4
Week 12	5	6	7	8	9	10	11
Week 13	12	13	14	15	16	17	18
Week 14	19	20	21	22	23	24	25
Week 15	26	27	28	29	30	May 1	2
Week 16	3	4	5	6	7	8	9

Spring Break

## Aspects

Program moving light sequences

Acting within moving lights

Creating narratives for moving lights

Designing projections

Creating cues for projections

Changing scenery with projections

Cuing all of these