

# Scenic Technology

THEA 4/6555-001 Fall 2018

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## About the Class:

Scenic Technology is an advanced scenic production course. The purpose is to expand basic skills and introduce the use of exotic materials, as well as expand the students knowledge of theatre operations.

## Teaching Philosophy:

This course is designed to extend students' knowledge of safety procedures as well as provide them with skills necessary to be a proficient technician. I believe that these skills can only be learned hands on. Therefore, much (in fact most) of this class will take place in the Scene Shop (Rm. 133 & the Mainstage). I want this to be enjoyable, but do not expect to goof off, you have many projects to do this semester. I want hard work, but have a good time doing it.

## Student Expectations:

Attendance is required. If anyone needs help or has questions, at any time, please find me and ask. I am usually in my office or the shop if I am not in class. Three unexcused absences will result in the loss of one full letter grade for the class. Be on time! Four late entries will qualify as 1 absence. If you are sick, call me and leave a message before you skip class! Otherwise I will consider you without excuse!! I expect you to participate in class discussions, as well as in class demos and projects. Please dress appropriately.

Please understand that plagiarism in any form constitutes *academic misconduct* (as defined and discussed in the Student Handbook) and is grounds for *Summary Discipline*. Any attempt to appropriate or submit the work of another person as though it were your own constitutes plagiarism.

## Disabilities

In an effort to comply with the American Disabilities Act (ADA), I strongly encourage any student with a disability condition which requires accommodation, or which may affect performance in this course, to bring this to my attention as soon as possible, either in class or in the privacy of my office. I will make a sincere effort to provide reasonable accommodation to your needs.

## Texts:

<i>The Prop Building Guidebook</i>	Hart, Eric	ISBN: 0240821382	<b>Required</b>
<i>Stage Rigging Handbook</i>	Glerum, Jay O.	ISBN:0809317443	<b>Recom.</b>
<i>Stage Flying</i>	McKiven, John A.	ISBN:0916638812	<b>Recom.</b>

## Grade Break Down:

Projects	75%
Written Work	25%

## Grade Scale:

95-100	A+	90-95	A	
85-89	A-	83-85	B+	80-83 B
75-79	B-	73-75	C+	70-73 C
65-69	C-	63-65	D+	60-63 D
55-59	D-	0-55	F	

## Note About Projects:

There will be some time provided during the class to work on your projects. If there is not enough time to complete them in class, you may come into the shop during regular shop hours to work on them. The shop is open 1-5P.M. MWF and 1-5 or 6P.M. TTh. All projects are graded. Criteria for completion (Grad and Undergrad) of all projects are attached.

Week 1.	<b>Shop Tour, Tools</b> Welcome & overview. Shop tour. Adhesives and fasteners. Structure vs. Weight challenge.	Read Ch 3,4&10 Read Ch 5,8
Week 2.	<b>Adv. Metal Techniques</b> Forming Methods (Hot & Cold Bending, Forging) TIG Welding, Aluminum & Plasma Cutter. Project: Door/cabinet or window pull	
Week 3.	<b>Adv. Metal Techniques</b> Supervised Project Work	
Week 4.	<b>Rigging</b> Mainstage Counter-weight System design & tour Inspection Process	<b>Hardware Due</b>
Week 5.	<b>Rigging</b> System Inspection & Maintenance (Mainstage)	
Week 6.	<b>Rigging</b> Rigging for movement & Flying. Fall protection. Rigging Practical (lab day)	Read Ch 9
Week 7.	<b>Plastics</b> Vacuumforming, Thermo-forming, Fiberglass & aqueous resin, Foams Prop Replication: Weapons (using plastics)	
Week 8.	<b>Plastics</b> Project Work (plastics) Polymers & Resins (casting demo)	Read Ch 14
Week 9.	<b>Casting</b> Project Work (molding & casting)	<b>Weapons Due</b>
Week 10.	<b>Compressed Air Systems</b> Components and Safe Practices Project work	<b>Casting Project Due</b>
Week 11.	<b>Health &amp; Safety.</b> Identifying hazards & Safety Equipment (PPE's) SDS Data, Aerial Lift Cert.	
Week 12.	<b>Fabric.</b> Fabric in scenery & Properties Fabric Project	
Week 13	<b>Final Projects</b> Finish Fabric Project Begin Final Projects	<b>Fabric Project Due</b>
Week 14.	<b>Final Projects</b> Final Projects	
Week 15.	<b>Final Projects</b> Work on Projects All week	

**All Projects Due @ Listed Final Time**