

TH 367.01 Stage Scenery (3 cr)
Winter 2006, T Th 11:00-12:50, McConnell 124
David Barnett Office Hours: TR 10:00-11:00
Off: **McConnell 124D** Phone: (509) 963-1773

Catalogue/Course Description

Advanced stage scenery construction techniques are studied & applied.

Required Texts:

Parker, W. Oren; R. Craig Wolf; *Scene Design and stage Lighting*, 8th, ed..

Carter, Paul; *Backstage Handbook*; Broadway Press, New York, 1988

Jay Glerum, *Stage Rigging Handbook*, Southern Ill. Press, Carbondale Ill. 1987

Required Reading:

Scene Design & Stage Lighting: p. 82-106, 112-114, 122, 128-143, 150-153, 160-161, 232 & 242

Backstage Handbook: Sections on materials & wood joints.

Stage Rigging Handbook: p. 1-14, 32-40 & Part 4, 114-168

Recommended Texts:

Rossol, Monono; *The Artist's Complete Health And Safety Guide*; Allworth Press, New York, 1994.

Raoul, Bill; *Stock Scenery Construction Handbook*; Broadway Press, Shelter Island, NY, 1994

Suggested Reading:

To be used as additional resources as needed.

Required Supplies:

MATERIALS: students will need to supply their own books, notebook, pens, an Architects scale, plastic drafting triangles (30/60 & 45 degree) and pencils and some of the materials for their projects.

The department will supply most of the materials needed for both of the projects. Anything the department does not supply the student will need to.

On lab days I will expect you to wear clothing appropriate to working in the scene shop. ***Be warned!*** Some of the materials we work with will destroy nice clothing if you get them on your clothes. **When welding you will need to wear cotton or wool clothing.** These materials are fire & spark resistant. **DO NOT WEAR SYNTHETIC CLOTHING WHEN WELDING** as synthetics are made from petroleum and will catch fire and burn you! Also, **DO WEAR LONG PANTS AND SLEEVES WHEN WELDING** to prevent burns caused by ultra violet rays from the welding process. The scene shop and the university are not responsible in any way for clothing that is destroyed while working in the scene shop.

Teacher Certification Standards met in this course can be found at http://www.cwu.edu/~theatre/program/undergrad/ed_standards.html

WA-COMP.DR.S1.4 >Identifies and applies the elements, processes and tools within designing and craft.

WA-COMP.DR.K2.1 >Understands the principles of **design** and **technical production**.

WA-COMP.DR.K2.2 >Understands theatre facilities and their characteristics.

WA-COMP.DR.K2.4 >Understands theatre auditorium and management skills and concerns.

WA-COMP.DR.K2.5 >Understands appropriate safety procedures and relevant legal requirements in a theatrical setting.

WA-COMP.DR.S2.3 >Applies design and production skills in **scenery**, lighting, sound, costume, and makeup.

Course Objectives and Outcomes:

The following objectives apply to this course. Upon completion of this course, the student should be able to:

1. Articulate the standards of OSHA regulation, OSHA Hazard Communication Standard, Federal Hazardous Substance Act, Fire codes, general theatre safety, scene shop safety as they pertain to the theatre and scene shops
2. Demonstrate their knowledge of these safety regulations by following them in class.

Assessment:

This Course will be assessed in the following way:

1. On an exam students will be asked questions, in multiple choice and essay formats about OSHA regulations, the OSHA Hazard communication Standard, Federal Hazardous Substance Act, Fire Codes, General Theatre Safety and Scene Shop Safety as they pertain to theatres and scene shops.
2. Students will gain up to five points per day for fully following the OSHA safety rules and regulations in class during lab times.
 3. Identify the basic elements of Auditorium Management.
 4. Demonstrate how to use a wire feed welder.
5. Demonstrate basic welding skills
6. Identify the basic drafting symbols and their conventions.
7. Draw a basic technical or shop drawing of a project to be built.
8. Discuss the relationship between time/money/personnel management.
9. From a shop drawing, develop a materials list, develop a cost estimate from that list, develop an estimate of the manpower needed to build the project

on the drawing, and develop a construction calendar for the project.

10. Properly develop a rigging system to fly a load/item on the single purchase counterweight fly system.

11. Properly and Safely load and unload an item on the counterweight fly system.

12. Discuss the uses, advantages, disadvantages & strengths of materials commonly used in the construction of theatre scenery.

3. Students will discuss the elements of Auditorium Management on an exam.

4. Students will demonstrate to the instructor how to properly and safely set-up, adjust, use, and put away the wire feed welder and the misc. welding equipment that goes with it.

5. Students will demonstrate proficiency at basic welding by welding together a project.

6. Students will identify on an exam the basic drafting symbols and talk about their conventions.

7. Students will demonstrate a basic proficiency and understanding of drafting symbols by using them to draw a basic shop drawing of a project that will be built for class.

8. On an exam, students will discuss the relationship between time/money/personnel management.

9. When given a shop drawing students will develop a materials list, develop a cost estimate from that list, develop an estimate of the manpower needed to build the project, and develop a construction calendar for the project.

10. Given a load to put on the counter weight fly system and a stock of hardware, each student will put together a rigging set-up to hang the load from the fly system. They will identify the W.L.L. of each piece of hardware, the safety factor of each piece, and identify the strongest and weakest parts of the system.

11. With other students assisting as a crew, each student will direct the crew in the proper and safe loading of their object onto the counter weight fly system.

12. Discuss on an exam the uses, advantages, disadvantages & strengths of materials commonly used in the construction of theatre scenery

Attendance Policy:

Attendance in class is mandatory. If an absence is required for participation in a production or other commitment, arrangements must be cleared through the instructor in advance for it to count as a legitimate excuse. Absences do not exempt you from any assignments, quizzes or exams

Course Requirements:

In this course you will be expected to do a welding project, a rigging project, a midterm exam, a rigging exam, a final project, and five hours of lab work in the theatre Arts Department Scene Shop. These five hours may be done concurrently with your production lab if you are assigned to the scene shop.

PROJECTS: A small welding assignment will be worth 50 points. The rigging project will be worth 100 pts. The final project will be worked on through out the quarter and finished by the end of the quarter. This will be worth 250 points. I will give you time in class to work on both of the projects. If you do not complete them during the allotted class time I will expect you to complete them outside of class. The two projects combine process and skills development and will need to be done partly in the scene shop and partly at home. The scene shop is open every afternoon from 1:00-5:00 M-F. You may work on or finish your projects during this time. Please realize that the afternoon scenery crew will also be working in the shop at this time. They have priority over the space. Please talk with the person in charge about your needs and how they can fit in with the shop crews needs

NOTE: All students are required to help clean up the shop after working on projects. Failure to do so will negate your daily 5 pts. Failure to clean up if you come to work in the shop outside of class time will subtract 25 points from the final grade on your project.

ASSIGNMENTS: Each student will demonstrate to the instructor how to properly set up and use the wire feed welder. Each Student will present three welds/joints to the instructor for grading (butt joint, fillet on a TEE joint, Corner joint). Each Student will do shop drawings of their final project. Each student will do a materials list, cost estimate, Man power estimate, and a construction calendar for their project.

SAFETY EXAM: If you have not yet taken the Scene Shop Safety exam you will need to take it before you will be allowed to start work on you project. This exam will be worth 100 pts. and will cover Fire, Haz-Mat, Personal protection equipment, and safety of scene shop machines and tools. Each student must pass it by 94% or higher to use the machines for the projects. Your score for this test will not be counted in your grade for this class.

EXAMS: The exams will include multiple choice, identification, short answer/essay, and will be worth 100 pts. The first exam will cover the first half of the quarter. The Rigging exam will cover the rigging section. Both will include questions about safety, and the above listed learning objectives.

SCENE SHOP LAB: You will be expected to complete 5 hours of time working in the theatre scene shop during this quarter. This time will be worth 50 points or 10 points per hour. These 5 hours may be done concurrently with your production lab hours if you are assigned to the scene shop for your production lab this quarter. This is an opportunity for you to directly apply what you are learning in class to the real working situation.

Daily Points: Each student will receive 5 points during work days for following safety rules & regulations i.e. safety glasses, ear plugs, machine & tool safety. Failure to follow the safety rule or to clean up after yourself will eliminate these points.

Grading;

Daily points	50 pts.
Lab Hours	50 pts
Welder Set-up/use	50 pts.
Rigging Project	100 pts.
Final Project	250 pts.
(Mat list, Cost est. Man Power est. Calendar, Shop Drawings, and constructed object)	
Safety Exam	0 pts
Midterm Exam	100 pts.
Rigging Exam	<u>100 pts.</u>
	700 pts.

A.....	630-700 pts. (90-100%)
B.....	560--629 pts. (80-89%)
C.....	490-559 pts. (70-79%)
D.....	420-489 pts. (60-69%)
F.....	0-419 pts. (59% Below)

Students with Disabilities:

If you have a disability that may prevent you from meeting course requirements, contact CWU Disability Support Services immediately, develop an Accommodation Plan: then, meet with the instructor to work out arrangements of the Accommodation Plan. Course requirements will not be waived but reasonable accommodations will be developed to help you meet the requirements. You are expected to work with the instructor and the CWU Disability Support Specialist to develop and implement a reasonable Accommodation Plan.

Theatre Arts Mission Statements and Teaching Philosophies

The Department of Theatre Arts is an ensemble of artists, scholars, educators, and practitioners located in the heart of the Pacific Northwest who:
 prepare students for advanced study and professional careers in theatre;
 promote creativity and excellence in a diverse educational environment;
 cultivate, educate, challenge and enrich audiences; and
 train and prepare students from diverse backgrounds to link art and life through experiential learning;
 in order to nurture skilled, thoughtful, and courageous citizens who will promote a peaceful and tolerant global community .

Tentative Schedule:

Plan of Study	Winter 2006	(12/6/05 revision)
Jan.		Reading
R 1/5	Introduction, Safety lecture, OSHA, Fire Codes	SD&SL p 128-143
T 1/10	Welding, Welding Set-up. Choose three groups, Sign-up Sheet.	
R 1/12	Auditorium Management; Materials lecture, advantages, disadvantages & strengths of materials	SD&SI p 82-106 SD&SL 112-114 & BSHB (Materials)
T 1/17	Drafting lecture, conventions, show project options, welding practice day	
R 1/19	Advanced wood working lecture, joints/joining, steel trace work, welding practice day	SD&SL p 122&160-161 & BSHB (wood joints)

- T 1/24 Time/\$/personnel, Materials List, Cost Estimating, Man power estimating, Construction Calendars. Welding practice day
- R 1/26 Drafting work day & welding practice day
- T 1/31 Work Day & welding practice day
- Feb.**
- R 2/2 Work Day, Welding practice day, Exam review
- T 2/7 **Exam**
- R 2/9 Rigging & Fly Systems lecture SRHB p 1-14, 32-40 & Part 4, p 114-168
- T 2/14 Fly System Inspections SD&SL p 150-154&232 & 242
- R 2/16 Work Day, Drafting, Materials List, cost estimate, Man Power Estimate & Calendar due. (Uncontested Withdrawl Deadline)
- T 2/21 ACTF Work Day! Develop rigging set-ups
- R 2/23 ACTF Work Day! Develop rigging set-ups
- T 2/28 Work Day! Group 1 fly system loading day
- Mar.**
- R 3/2 Work Day! Group 2 fly system loading day
- T 3/7 Work Day! Group 3 fly system loading day
- R 3/9 Work Day!
- M 3/13 Faculty Development Day! NO CLASSES! Shop will be for you to work on your projects. **Final Projects due by 5:00 p.m.**
- T 3/14 (Start of Finals week!)
- R 3/16 **2:00 PM Finals Time. Final Rigging Exam**

KEY:

SD&SL = Scene Design & Stage Lighting
 BSHB = Backstage Handbook
 SRHB = Stage Rigging Handbook